

Code No: 07A4EC08

R07**Set No. 2**

II B.Tech II Semester Examinations, APRIL 2011

OBJECT ORIENTED PROGRAMMINGCommon to Electronics And Telematics, Electronics And Communication
Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Consider the following emp and dept tables. Emp(empno number(3), ename varchar2(20), dept number(2)) Dept(deptno number(2), deptname varchar2(10))
Write java programs
- To create the tables.
 - To change the length of deptname to 20
 - To display all rows of both tables. [5+5+6]
2. (a) How are data and methods organized in an object-oriented program?
(b) What are unique advantages of an object-oriented programming paradigm?
(c) Write a program to find the number and sum of all integers greater than 100 and less than 200 that are divisible by 7. [4+4+8]
3. (a) In Java threads do away with polling. Comment on it.
(b) With the help of an example, explain the following interthread communication methods
- wait()
 - notify() and
 - notifyAll(). [4+12]
4. (a) Explain the methods related to drawing and filling rectangles.
(b) write a java program which draws an outer square and places four rectangles inside it such that four put together will fill the entire square. Fill all four rectangles with different colours. [6+10]
5. What are the types of inheritances in java? Explain each of them in detail. [16]
6. Write an application to solve quadratic equation of the form
 $AX^2+BX + C = 0$
Where the coefficients A,B and C are real numbers. The two real number solutions are derived by the formula
 $X = (-B \pm \sqrt{B^2 - 4AC})/2A$
For this exercise,you may assume that $A \neq 0$ and the relationship
 $B^2 \geq 4AC$
holds, so there will be real number solutions for x. Use the standard input and output. [16]

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7. (a) What is a package? How do we design a package?
(b) How do we add a class or interface to a package? [8+8]
8. (a) In what way JList differ from JComboBox?
(b) JList does not support scrolling. Why? How this can be remedied? Explain with an example. [6+10]

FIRSTRANKER

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R07**Set No. 4**

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OBJECT ORIENTED PROGRAMMING**Common to Electronics And Telematics, Electronics And Communication Engineering****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions
All Questions carry equal marks**

1. What are the types of inheritances in java? Explain each of them in detail. [16]
2. (a) What is a package? How do we design a package?
(b) How do we add a class or interface to a package? [8+8]
3. (a) In Java threads do away with polling. Comment on it.
(b) With the help of an example, explain the following interthread communication methods
i. wait()
ii. notify() and
iii. notifyAll(). [4+12]
4. Write an application to solve quadratic equation of the form $AX^2+BX + C = 0$
Where the coefficients A,B and C are real numbers. The two real number solutions are derived by the formula
 $X = (-B \pm \sqrt{B^2 - 4AC})/2A$
For this exercise, you may assume that $A \neq 0$ and the relationship $B^2 \geq 4AC$ holds, so there will be real number solutions for x. Use the standard input and output. [16]
5. (a) In what way JList differ from JComboBox?
(b) JList does not support scrolling. Why? How this can be remedied? Explain with an example. [6+10]
6. (a) How are data and methods organized in an object-oriented program?
(b) What are unique advantages of an object-oriented programming paradigm?
(c) Write a program to find the number and sum of all integers greater than 100 and less than 200 that are divisible by 7. [4+4+8]
7. Consider the following emp and dept tables. Emp(empno number(3), ename varchar2(20), dept number(2)) Dept(deptno number(2), deptname varchar2(10))
Write java programs
(a) To create the tables.

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- (b) To change the length of deptname to 20
- (c) To display all rows of both tables. [5+5+6]
- 8. (a) Explain the methods related to drawing and filling rectangles.
- (b) write a java program which draws an outer square and places four rectangles inside it such that four put together will fill the entire square. Fill all four rectangles with different colours. [6+10]

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R07**Set No. 1**

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OBJECT ORIENTED PROGRAMMING**Common to Electronics And Telematics, Electronics And Communication Engineering****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions
All Questions carry equal marks**

1. What are the types of inheritances in java? Explain each of them in detail. [16]
2. Write an application to solve quadratic equation of the form $AX^2+BX + C = 0$
Where the coefficients A,B and C are real numbers. The two real number solutions are derived by the formula $X = (-B \pm \sqrt{B^2 - 4AC})/2A$
For this exercise,you may assume that $A \neq 0$ and the relationship $B^2 \geq 4AC$ holds, so there will be real number solutions for x. Use the standard input and output. [16]
3. Consider the following emp and dept tables. Emp(empno number(3), ename varchar2(20), dept number(2)) Dept(deptno number(2), deptname varchar2(10))
Write java programs
 - (a) To create the tables.
 - (b) To change the length of deptname to 20
 - (c) To display all rows of both tables. [5+5+6]
4. (a) In Java threads do away with polling. Comment on it.
(b) With the help of an example, explain the following interthread communication methods
 - i. wait()
 - ii. notify() and
 - iii. notifyAll(). [4+12]
5. (a) Explain the methods related to drawing and filling rectangles.
(b) write a java program which draws an outer square and places four rectangles inside it such that four put together will fill the entire square. Fill all four rectangles with different colours. [6+10]
6. (a) How are data and methods organized in an object-oriented program?
(b) What are unique advantages of an object-oriented programming paradigm?
(c) Write a program to find the number and sum of all integers greater than 100 and less than 200 that are divisible by 7. [4+4+8]

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7. (a) In what way JList differ from JComboBox?
(b) JList does not support scrolling. Why? How this can be remedied? Explain with an example. [6+10]
8. (a) What is a package? How do we design a package?
(b) How do we add a class or interface to a package? [8+8]

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R07**Set No. 3**

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OBJECT ORIENTED PROGRAMMING**Common to Electronics And Telematics, Electronics And Communication Engineering****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions
All Questions carry equal marks**

1. (a) Explain the methods related to drawing and filling rectangles.
(b) write a java program which draws an outer square and places four rectangles inside it such that four put together will fill the entire square. Fill all four rectangles with different colours. [6+10]
2. Consider the following emp and dept tables. Emp(empno number(3), ename varchar2(20), dept number(2)) Dept(deptno number(2), deptname varchar2(10))
Write java programs
 - (a) To create the tables.
 - (b) To change the length of deptname to 20
 - (c) To display all rows of both tables. [5+5+6]
3. What are the types of inheritances in java? Explain each of them in detail. [16]
4. (a) In Java threads do away with polling. Comment on it.
(b) With the help of an example, explain the following interthread communication methods
 - i. wait()
 - ii. notify() and
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5. (a) What is a package? How do we design a package?
(b) How do we add a class or interface to a package? [8+8]
6. Write an application to solve quadratic equation of the form $AX^2+BX + C = 0$
Where the coefficients A,B and C are real numbers. The two real number solutions are derived by the formula
 $X = (-B \pm \sqrt{B^2 - 4AC})/2A$
For this exercise,you may assume that $A \neq 0$ and the relationship $B^2 \geq 4AC$ holds, so there will be real number solutions for x. Use the standard input and output. [16]
7. (a) In what way JList differ from JComboBox?

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- (b) JList does not support scrolling. Why? How this can be remedied? Explain with an example. [6+10]
8. (a) How are data and methods organized in an object-oriented program?
(b) What are unique advantages of an object-oriented programming paradigm?
(c) Write a program to find the number and sum of all integers greater than 100 and less than 200 that are divisible by 7. [4+4+8]

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