COMSATS UNIVERSITY ISLAMABAD
Abbottabad Campus

Department of Computer Science

TERMINALEXAMINATION – Fall 2022

Class: BCS-3A/BCS-3B
Subject: Object Oriented Programming
Total Time Allowed: 3 hours
Name:_____

Date: 24 January 2023
Instructor: Abdul Nasir Khan
Max Marks: 100
Registration #_____

SECTION-A (Marks: 64)

Question #2) What will be the output of the following code (Marks: 8×4=32) CLO-2

(a)

```
class classA
{

   public classA()
   {
System.out.println("No Argument Constructor of Class A");
   }
   public classA(int x)
   {
    System.out.println("One Argument Constructor of Class A");
   }
}

class classB extends classA
{
   public classB()
   {
    System.out.println("No Argument Constructor of Class B");
   }
   public classB(int x)
   {
    System.out.println("One Argument Constructor of Class B");
   }
}

class classC extends classB
{
   public classC()
   {
    System.out.println("No Argument Constructor of Class C");
   }
   public classC(int x)
   {
    System.out.println("One Argument Constructor of Class C");
   }
}

public class TestConstructor
{
   public static void main(String[] args)
   {
      classC obj=new classC();
   }
```

(b)

```
class classA
{

   public classA()
   {
System.out.println("No Argument Constructor of Class A");
   }
   public classA(int x)
   {
System.out.println("One Argument Constructor of Class A");
   }
}

class classB extends classA
{
   public classB()
   {
System.out.println("No Argument Constructor of Class B");
   }
   public classB(int x)
   {
System.out.println("One Argument Constructor of Class B");
   }
}

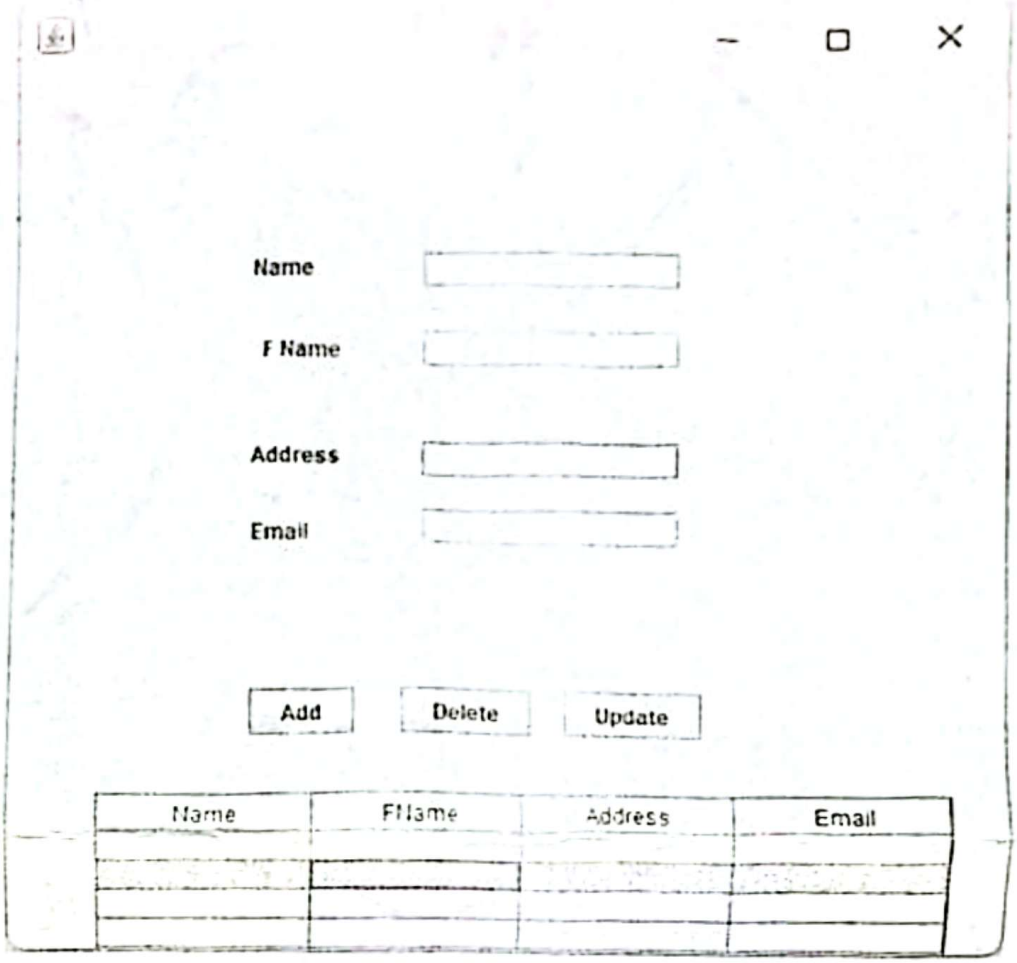
class classC extends classB
{
   public classC()
   {
    System.out.println("No Argument Constructor of Class C");
   }
   public classC(int x)
   {
   System.out.println("One Argument Constructor of Class C");
   }
}

public class TestConstructor
{
   public static void main(String[] args)
   {
      classC obj=new classC(3);
   }
}
```

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Question 4) (20 Marks)

Write java code to create the following frame.



When user click on "Add" button after entering the information in text fields, the data will be stored in the file name "Student.txt" and also added in the JTable.

When user select the row of a JTable, the data of selected row will be populated/filled in the text fields.

When user click on "Update" button after selecting the row of JTable, the data of the selected row will be updated in JTable and also in the file "Student.txt".

When user click on "Delete" button after selecting the row of JTable, the data of the selected row will be deleted from JTable and also from the file "Student.txt".

When user run the application, JTable will be populated/filled on the basis of "Student.txt" file.

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