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Sub: Object Oriented Development with Java

Sub Code: CT038-3-2

Question 1

Ans: A) FileInputStream

Question 2

Ans: C) FileInputStream

Question 3

Ans: A) Constructor of X then Y, finally of Z

Question 4

Ans: A) abstract class, interface

Question 5

Ans: D) Instance variable are initialized to their default values

Question 6

Ans: B) FileNotFoundException

Question 7

Ans: A) Brown

Question 8

Ans: B) 30

Question 9

Ans: C) FlowLayout

Question 10

Ans: B) catches

Question 11

Ans: The three types of exception are

a. Checked exception
b. Unchecked exception
c. Error exception

a. Checked exception
   Checked exception is also called compile time exceptions. This exception is checked during compile time. During compilations this exception should be handle. Eg: If you are using FileReader class to read a text file and if the file doesn't exit then FileNotFoundException exception occurs.
b. Unchecked exception
   Unchecked exception is also called runtime exception. This exception is checked during execution. It includes logic errors and improper use of Java API.
c. Error exception
   Error exception is also called irrecoverable. This exception occurs during execution time. Eg: IOError

Question 12

```
public class Test2Q12{
    private int x;
    private String b;
    Test2Q12(int y, String z){
        x = y;
        b = z;
    }
    Test2Q12(){

    }
    public int getX(){return x;}
    public String getB(){return b;}
    public void setX(int y){x=y;}
    public void setB(String z){b=z;}
    public boolean equals(Object ob){
        if(ob instanceof Test2Q12){
            Test2Q12 test = (Test2Q12) ob;
            if(test.getX() == this.getX() && test.getB() == this.getB())
            {
                return true;
            }
            else{
                return false;
            }
        }
        else{
            System.out.println("Make sure the object of same type!!");
            return false;
        }
    }
    public static void main(String args[]){
        Test2Q12 objA = new Test2Q12(20,"Shivam");
        Test2Q12 objB = new Test2Q12(20,"Shivam");
        Test2Q12 objC = new Test2Q12(30,"Hari");
        System.out.println("objA is equal to objB"+ objA.equals(objB));
        System.out.println("objA is equal to objC"+ objA.equals(objC));

    }
}
```

Output


C:\Users\Info-chip>E:
E:\>cd java programs
E:\java programs>javac Test2Q12.java
E:\java programs>java Test2Q12
objA is equal to objBtrue
objA is equal to objCfalse
E:\java programs>