ANSWER THE FOLLOWING (EACH QUESTION CARRY ONE MARK)

DURATION : 45 MINS

MARKS: 10

1. Which of the following is best fit for storing the value between 0 to 200 ?

       a. int   b. float c. short d. byte

---

2. Given:
```
public class MyLoop {
    public static void main(String[] args) {
        String[] sa = {"tom ", "jerry "};
        for (int x = 0; x < 3; x++) {
            for (String s : sa) {
                System.out.print(x + " " + s);
                if (x == 1) {
break; }
}
}}
}
```
What is the result?

A)0 tom 0 jerry 1 tom 1 jerry
B)0 tom 0 jerry 2 tom 2 jerry
C) 0 tom 0 jerry 1 tom 2 tom 2 jerry
D) 0 tom 0 jerry 1 tom 1 jerry 2 tom 2 jerry

---

3. Given:
```
class Feline {
public String type = "f ";
public Feline() {
    System.out.print("feline ");
}}
public class Cougar extends Feline {
    public Cougar() {
        System.out.print("cougar ");
    }
    void go() {
        type = "c ";
System.out.print(this.type + super.type);
}
public static void main(String[] args) {
    new Cougar().go();
}
}
```
What is the result?

A) cougar c f
B) feline cougar c c
C) feline cougar c f
D) Compilation fails.

---

4. Given:
```
import java.util.*;
public class App {
public static void main(String[] args) {
    List p = new ArrayList();
    p.add(7);
    p.add(1);
    p.add(5);
    p.add(1);
    p.remove(1);
    System.out.println(p);
}}
```

What is the result?
A) [7, 1, 5, 1]
B) [7, 5, 1]
C) [7, 5]
D) [7, 1]

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5. Given:
```
class Alpha {
    String getType() {
        return "alpha";
    }
}
class Beta extends Alpha {
    String getType() {
        return "beta";
}}
public class Gamma extends Beta {
    String getType() {
return "gamma";
}
public static void main(String[] args) {
    Gamma g1 = new Alpha();
    Gamma g2 = new Beta();
    System.out.println(g1.getType() + " "+
g2.getType());
}}
```

What is the result?

A) alpha beta
B) beta beta
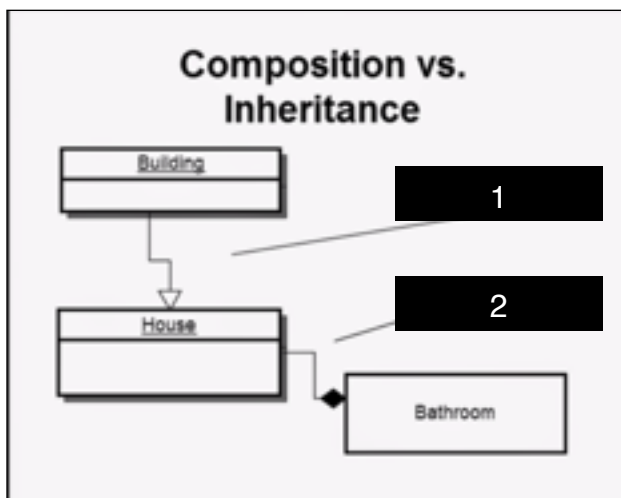C) gamma gamma
D) Compilation fails.

MATCH THE FOLLOWING

6.

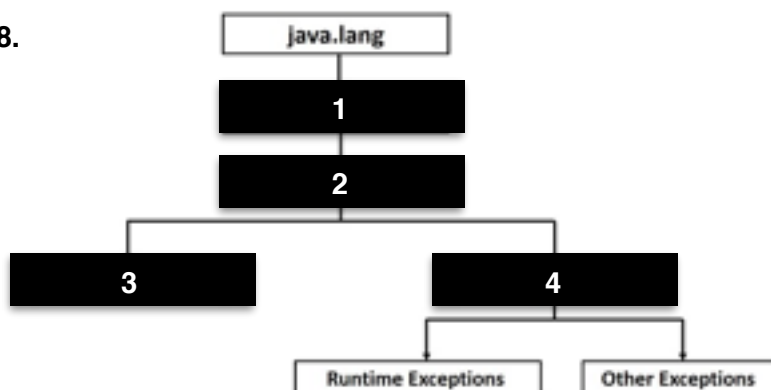| 1 | 2 | 3 | 4 |

A. Sequence Diagram
B. Activity Diagram
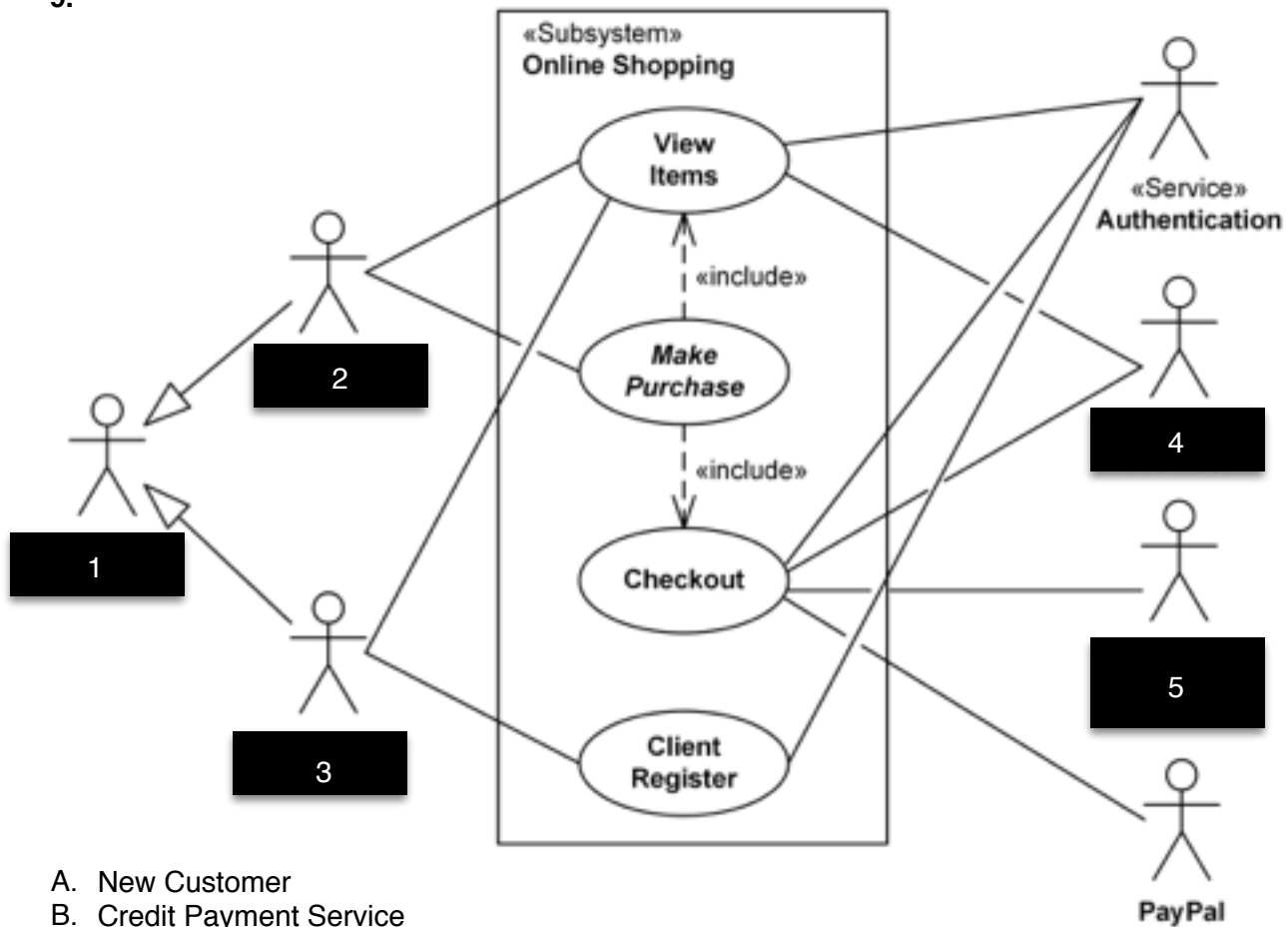C. Class Diagram
D. Use - Case Diagram

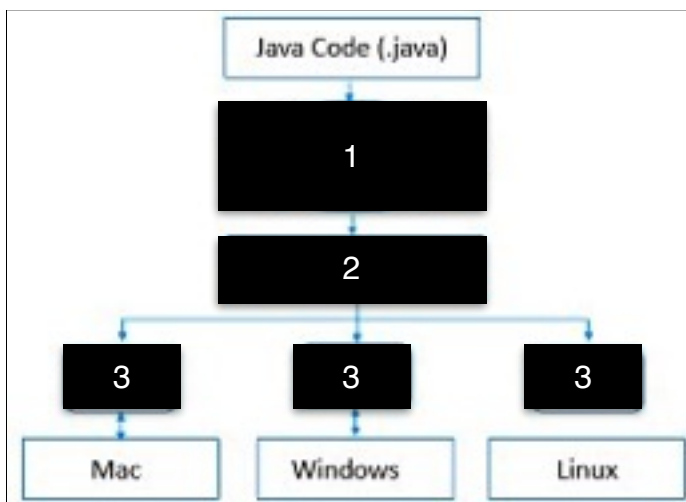**7.**

A. HAS - A Relationship
B. IS - A Relationship

8.

A. Exceptions
B. Error
C. Object
D. Throwable

9.

«Subsystem»
Online Shopping

View
Items

«include»

*Make
Purchase*

«include»

Checkout

Client
Register

«Service»
Authentication

1

2

3

4

5

PayPal

A. New Customer
B. Credit Payment Service
C. Identity Provider
D. Registered Customer
E. Web Customer

10.

Java Code (.java)

1

2

3   3   3

Mac   Windows   Linux

A. JVM
B. JAVAC - COMPILER
C. BYTE CODE (.class)

ANSWER SHEET

College Name	
Name Of the Student	
Register Number	
Department	
Date	

Question #	Answer
1	
2	
3	
4	
5	
6	1 - 2 - 3 - 4 -
7	1 - 2 -
8	1 - 2 - 3 - 4 -
9	1 - 2 - 3 - 4 - 5-
10	1 - 2 - 3 -

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MARKS SECURED	
SIGNATURE	
REMARKS	