OOP Using Java- Practical 01 - Answers

1.
```
public class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello World");
    }
}
```

2.
```
public class namedegree {
    public static void main(String[] args) {
        System.out.println("WMMWijewardhana");
        System.out.println("MIS");
    }
}
```

3.
```
public class forloop {
    public static void main(String[] args) {
        for (int i = 0; i < 5; i++) {
            System.out.println("executing loop " + i);
        }
    }
}
```

```
public class whileloop{
    public static void main(String[] args) {
        int i = 0;
        while (i < 5) {
            System.out.println("executing loop " + i);
            i++;
        }
    }
}
```

4.
```
public class Loop {
    public static void main(String[] args) {
        int[] numbers = {10, 20, 30, 40, 50};
        for (int x : numbers) {
            if (x == 30) {
                break;
            }
            System.out.println(x);
        }
```

```
            System.out.println("Loop end");
        }
    }
```

Results:
```
10
20
Loop end
```

```
    public class Loop {
        public static void main(String[] args) {
            int[] numbers = {10, 20, 30, 40, 50};
            for (int x : numbers) {
                if (x == 30) {
                    continue;
                }
                System.out.println(x);
            }
            System.out.println("Loop end");
        }
    }
```

Results:
```
10
20
40
50
Loop end
```

5.

```
    public class Grade {
        public static void main(String[] args) {
            char grade = 'A';

            switch (grade) {
                case 'A':
                    System.out.println("Excellent!");
                    break;
                case 'D':
                    System.out.println("You passed");
                case 'F':
                    System.out.println("Better try again");
                    break;
                default:
                    System.out.println("Invalid grade");
            }

            System.out.println("Your grade is " + grade);
```

```
        }
    }
```

Results:
```
Excellent!
Your grade is A
```

```
    public class Grade {
        public static void main(String[] args) {
            char grade = 'A';

            switch (grade) {
                case 'A':
                    System.out.println("Excellent!");
                case 'D':
                    System.out.println("You passed");
                case 'F':
                    System.out.println("Better try again");
                    break;
                default:
                    System.out.println("Invalid grade");
            }

            System.out.println("Your grade is " + grade);
        }
    }
```

Results:
```
Excellent!
You passed
Better try again
Your grade is A
```

```
    public class Grade {
        public static void main(String[] args) {
            char grade = 'A';

            if (grade == 'A') {
                System.out.println("Excellent!");
            } else if (grade == 'D') {
                System.out.println("You passed");
            } else if (grade == 'F') {
                System.out.println("Better try again");
            } else {
                System.out.println("Invalid grade");
            }
```

```
            System.out.println("Your grade is " + grade);
        }
    }
```

6.

```
class TestEnhancedForLoop {
    public static void main(String[] args) {
        int[] numbers = {10, 20, 30, 40, 50};
        for (int x : numbers) {
            System.out.print(x);
            System.out.print(",");
        }
        System.out.print("\n");
        String[] names = {"James", "Larry", "Tom", "Lacy"};
        for (String name : names) {
            System.out.print(name);
            System.out.print(",");
        }
    }
}
```

Output: 10,20,30,40,50,
James,Larry,Tom,Lacy,