Practical 01 – OOP Using Java

1.

```java
package com.mycompany.hello;

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

2.

```java
package
com.mycompany.namedegree; import
java.util.Scanner; public class
NameDegree
{
    public static void main(String[] args)
    {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter your name: ");
        String name = scanner.nextLine();
```

```java
        System.out.print("Enter your degree program: ");

        String degreeProgram = scanner.nextLine();
System.out.println(name);

        System.out.println(degreeProgram);

    }

}
```

3.

For Loop package

com.mycompany.forloop; public

class ForLoop

```java
{

    public static void main(String[] args)

  {

    for (int i = 0; i < 5; i++)

  {

    System.out.println("Executing Loop " + i);

  }

  }

}
```

While Loop package

com.mycompany.whileloop; public

class WhileLoop

```java
{
```

```java
    public static void main(String[] args)
    {
        int i = 0;
while (i < 5)
        {
            System.out.println("Executing Loop " + i);

            i++;       }
    }
}
```

4.

Result 1:

10 20

I'm out of the Loop now
Result 2:

5.

Result 1:

Excellent!

Your grade is A
Result 2:

If-else Statement

public class Grade

{

    public static void main(String[] args)

1

0

2

0

4

0

5

0

I'm out of the Loop now

Excellent!

You passed

Better try again

Your grade is A

```
{
    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.

10, 20, 30, 40, 50,

James, Larry, Tom, Lacy