**Practical 01**

1)

public class HelloWorld {

public static void main(String[] args) {

System.out.println("Hello World!");

}

}

2)

public class MyNameAndDegree {

public static void main(String[] args) {

System.out.println("My name is banuka");

System.out.println("Manegement information system");

}

}

3)

public class ForLoop {

public static void main(String[] args) {

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

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

}

}

}

4)

public class BreakContinue {

public static void main(String[] args) {

int[] numbers = {10, 20, 30, 40, 50};

for (int x : numbers) {

if (x == 30) {

break;

}

System.out.print(x);

System.out.println();

}

System.out.println("I'm out of the loop now");

for (int x : numbers) {

if (x == 30) {

continue;

}

System.out.print(x);

System.out.println();

}

System.out.println("I'm out of the loop now");

}

}

5)

public class GradeEvaluator {

public static void main(String[] args) {

char grade = 'A';

evaluateGradeWithSwitch(grade);

grade = 'D';

evaluateGradeWithSwitch(grade);

grade = 'F';

evaluateGradeWithSwitch(grade);

grade = 'X';

evaluateGradeWithSwitch(grade);

grade = 'A';

evaluateGradeWithIfElse(grade);

grade = 'D';

evaluateGradeWithIfElse(grade);

grade = 'F';

evaluateGradeWithIfElse(grade);

grade = 'X';

evaluateGradeWithIfElse(grade);

}

public static void evaluateGradeWithSwitch(char grade) {

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);

System.out.println();

}

public static void evaluateGradeWithIfElse(char grade) {

if (grade == 'A') {

System.out.println("Excellent!");

} else if (grade == 'D') {

System.out.println("You passed");

System.out.println("Better try again");

} else if (grade == 'F') {

System.out.println("Better try again");

} else {

System.out.println("Invalid grade");

}

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

System.out.println();

}

}

**Output**

Excellent!

You passed

Better try again

Your grade is A

You passed

Better try again

Your grade is D

Better try again

Your grade is F

Invalid grade

Your grade is X

**Output**

Excellent!

Your grade is A

You passed

Better try again

Your grade is D

Better try again

Your grade is F

Invalid grade

Your grade is X

6)

public class TestEnhanceForLoop {

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,