EXPERIMENT NO.1 BASIC PROGRAM USING BRANCHING AND LOOPING

First program:-

```
public class Hello{

public static void main(String[] args){

System.out.print("Hello World");

 }
```

```
C:\Users\rautc\OneDrive\Desktop\J>java Hello.java
Hello World
```

Program Ifelse

```
class ifelse{

public static void main(String[] args){

int a=2;

if(a%50==0){

System.out.print("It is divisible");

}
else{

System.out.print("It is not divisible");

 }

 }

}
```
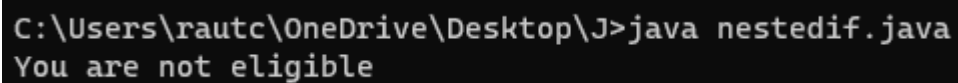
```
C:\Users\rautc\OneDrive\Desktop\J>java Ifelse.java
It is not divisible
```

```
public class nestedif {

public static void main(String[] args) {

 int age=25;

 int weight=48;

if(age>=18) {
```

```java
if(weight>50) {

System.out.println("You are eligible");

}

else {

System.out.println("You are not eligible");

}

}

else {

System.out.println("Age must be greater than 18");

}

}

}
```



```
C:\Users\rautc\OneDrive\Desktop\J>java nestedif.java
You are not eligible
```

```java
class loop

{

public static void main(String arg[])

{

int a=5;

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

{

System.out.println("i");

}

}

}
```

```
C:\Users\rautc\OneDrive\Desktop\J>java loop.java
i
i
i
i
i
```

Do While

class dowhile

{

public static void main(String args[])

{

int a=2;

do

{

System.out.println(a);

a++;

}

while(a<25);

}

}

```
C:\Users\rautc\OneDrive\Desktop\J>java dowhile.java
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
```

While Loop

class whileloop

{

 public static void main(String args[])

{

int a=0;

 while(a<10)

{

System.out.println(a);

a++;

}

}

```
C:\Users\rautc\OneDrive\Desktop\J>java dowhile.java
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
```