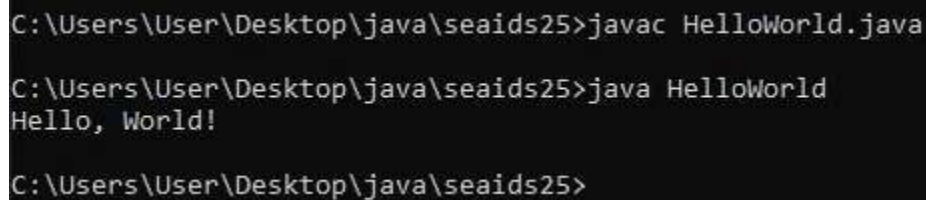


EXPERIMENT NO.1 BASIC PROGRAM USING BRANCHING AND LOOPING

First program:-

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



```
C:\Users\User\Desktop\java\seaid25>javac HelloWorld.java  
C:\Users\User\Desktop\java\seaid25>java HelloWorld  
Hello, World!  
C:\Users\User\Desktop\java\seaid25>
```

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\User\Desktop\java\seaid25>javac ifelse1.java
C:\Users\User\Desktop\java\seaid25>java ifelse1
It is not divisible by 50
C:\Users\User\Desktop\java\seaid25>
```

```
public class nestedif {
    public static void main(String[] args) {
        int age=25;
        int weight=48;
        if(age>=18) {
            if(weight>50) {
                System.out.println("You are eligible to donate blood");
            }
            else {
                System.out.println("You are not eligible to donate blood");
            }
        }
        else {
            System.out.println("Age must be greater than 18");
        }
    }
}
```

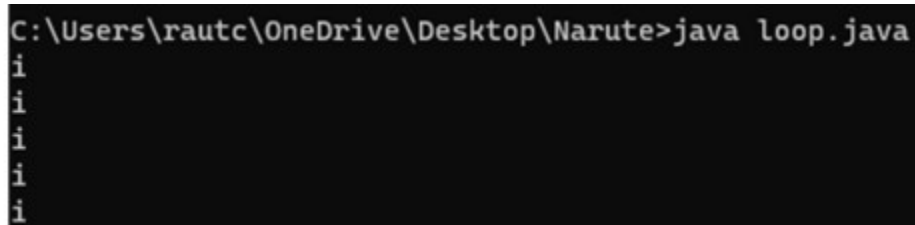
```
C:\Users\User\Desktop\java\seaid25>javac nestedifelse.java
C:\Users\User\Desktop\java\seaid25>java nestedifelse
You are not eligible to donate blood
```

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\Narute>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\User\Desktop\java\seaid25>javac dowhile.java
```

```
C:\Users\User\Desktop\java\seaid25>java dowhile
```

```
2
```

```
3
```

```
4
```

```
5
```

```
6
```

```
7
```

```
8
```

```
9
```

```
10
```

```
11
```

```
12
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13
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14
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15
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16
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17
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18
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20
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21
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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\User\Desktop\java\seaid25>java whileloop
```

```
0
```

```
1
```

```
2
```

```
3
```

```
4
```

```
5
```

```
6
```

```
7
```

```
8
```

```
9
```

```
C:\Users\User\Desktop\java\seaid25>
```