NAME: Vinith Shetty
BRANCH/ROLL NO: AI&DS/55

1.)BREAK

```java
public class Break {
 public static void main(String[] args) {
  int day = 4;
  switch (day) {
   case 1:
 System.out.print("Monday");
 break;
case 2:
 System.out.print("Tuesday");
 break;
case 3:
 System.out.print("Wednesday");
 break;
case 4:
 System.out.print("Thursday");
 break;
case 5:
 System.out.print("Friday");
 break;
case 6:
 System.out.print("Saturday");
 break;
case 7:
 System.out.print("Sunday");
 break;
   default:
 System.out.print("Invalid Day.");
  }

 }
}
```

OUTPUT:

```
Microsoft Windows [Version 10.0.22622.601]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Vinith>cd/

C:\>cd C:\Users\Vinith\OneDrive\Desktop\experiments java

C:\Users\Vinith\OneDrive\Desktop\experiments java>javac Break.java

C:\Users\Vinith\OneDrive\Desktop\experiments java>java Break.java
Thursday
C:\Users\Vinith\OneDrive\Desktop\experiments java>
```

2.)CONTINUE

```
public class Continue {
    public static void main(String[] args) {
        int i = 10;
        for (i = 1; i <= 10; i++) {
            if (i > 5 && i < 9) {
                continue;
            }
            System.out.println(i);
        }
    }
}
```

OUTPUT:

```
C:\Users\Vinith\OneDrive\Desktop\experiments java>javac Continue.java

C:\Users\Vinith\OneDrive\Desktop\experiments java>java Continue.java
1
2
3
4
5
9
10

C:\Users\Vinith\OneDrive\Desktop\experiments java>
```

3.)FOR

```java
public class Forloop {
    public static void main(String[] args) {
        int i;
        int n = 5;
        for (i = 1; i <= n; i++) {
            System.out.println(i);

        }
    }
}
```

OUTPUT:

```
C:\Users\Vinith\OneDrive\Desktop\experiments java>java Forloop.java
1
2
3
4
5
```

4.)IFELSE

```java
public class IfElse {
public static void main(String[] args) {
 int a = 10;
 int b = 20;
 if (a == b || a <= 20) {
    System.out.print("This is my conditional statement.");
 } else {
    System.out.print("Invalid Statement.");
 }

 }
}
```

OUTPUT:

```
C:\Users\Vinith\OneDrive\Desktop\experiments java>java IfElse.java
This is my conditional statement.
C:\Users\Vinith\OneDrive\Desktop\experiments java>
```

5.)IFFOR

```java
class IfFor {
public static void main(String args[]) {
int a = 10;
int b = 20;
int i;
for (i = 0; i < 5; i++) {
if (a == b) {
System.out.println("This is my first program");
} else {
System.out.println("Invalid condition");
}
}
}
}
```

OUTPUT:

```
C:\Users\Vinith\OneDrive\Desktop\experiments java>java IfFor.java
Invalid condition
Invalid condition
Invalid condition
Invalid condition
Invalid condition
```

6.)LADDER

```java
public class Ladder {
    public static void main(String[] args) {
        int i = 100;
        if (i > 50) {
            System.out.println("i is greater than 50.");
        } else if (i < 50) {
            System.out.println("i is less than 50.");
        } else {
            System.out.println("i is invalid.");
        }
    }
}
```

OUTPUT:

```
C:\Users\Vinith\OneDrive\Desktop\experiments java>java Ladder.java
i is greater than 50.
```

7.)NESTEDIF

```java
class Nestedif
{
public static void main(String[] args)
{
int  age=21;
int weight=75;

if(age>=18)
{
if(weight>50)
{
System.out.println("You can donate blood");
}
}
}
}
```

OUTPUT:

```
C:\Users\Acer\Desktop\experiments java>java NestedIf.java
Both are equal.

C:\Users\Acer\Desktop\experiments java>_
```

8.)WHILE

```java
public class While {
    public static void main(String[] args) {
        int x = 0;
        while (x < 8) {
            System.out.println("Swag.");
            x++;
        }
    }
}
```

OUTPUT:

```
C:\Users\Acer\Desktop\experiments java>java While.java
Swag.
Swag.
Swag.
Swag.
Swag.
Swag.
Swag.
Swag.
```

9.)DOWHILE
```java
public class Dowhile {
    public static void main(String[] args) {
        int x = 1;
        do {
            System.out.println("x");
            x++;
        } while (x < 10);
    }
}
```
OUTPUT:
```
C:\Users\Vinith\OneDrive\Desktop\experiments java>java  DoWhile.java
x
x
x
x
x
x
x
x
x
```