

Java Lab Program

8. Write a program to show if-else in Java.

```
import java.lang.*;
import java.util.Scanner;
class Eighth
{
    public static void main(String arg[])
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Please enter your marks:");

        int marks = sc.nextInt();

        if(marks<50)
        {
            System.out.println("fail");
        }
        else if(marks>=50 && marks<60)
        {
            System.out.println("D grade");
        }
        else if(marks>=60 && marks<70)
        {
            System.out.println("C grade");
        }
        else if(marks>=70 && marks<80)
        {
            System.out.println("B grade");
        }
        else if(marks>=80 && marks<90)
        {
            System.out.println("A grade");
        }
        else if(marks>=90 && marks<100)
        {
            System.out.println("A+ grade");
        }
        else
        {
            System.out.println("Invalid!");
        }
    }
}
```

8.java	3/10/2022 3:53 PM	JAVA File
Eighth.class	3/10/2022 3:53 PM	CLASS File

```
C:\Windows\System32\cmd.exe
C:\Program Files\Java\jdk-17\bin\Java Lab>javac 8.java
C:\Program Files\Java\jdk-17\bin\Java Lab>java Eighth
Please enter your marks:
78
B grade
```

9. Write a program to show switch-case in Java.

```
import java.lang.*;
import java.util.Scanner;
class Ninth
{
    public static void main(String arg[])
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Please enter your age:");
        int age=sc.nextInt();

        switch(age)
        {
            case 10: System.out.println("School Time.....");
                    break;
            case 18: System.out.println("College Time....");
                    break;
            case 25: System.out.println("Job Time....");
                    break;
            default: System.out.println("Enjoy the Time.....");
        }
    }
}
```

9.java	3/10/2022 4:04 PM	JAVA File
Ninth.class	3/10/2022 4:04 PM	CLASS File

```
C:\Windows\System32\cmd.exe
Job Time....

C:\Program Files\Java\jdk-17\bin\Java Lab>java Ninth
Please enter your age:
10
School Time.....
```

10. Write a program to show switch-case in Java.

```
import java.lang.*;
import java.util.Scanner;
class Tenth
```

```

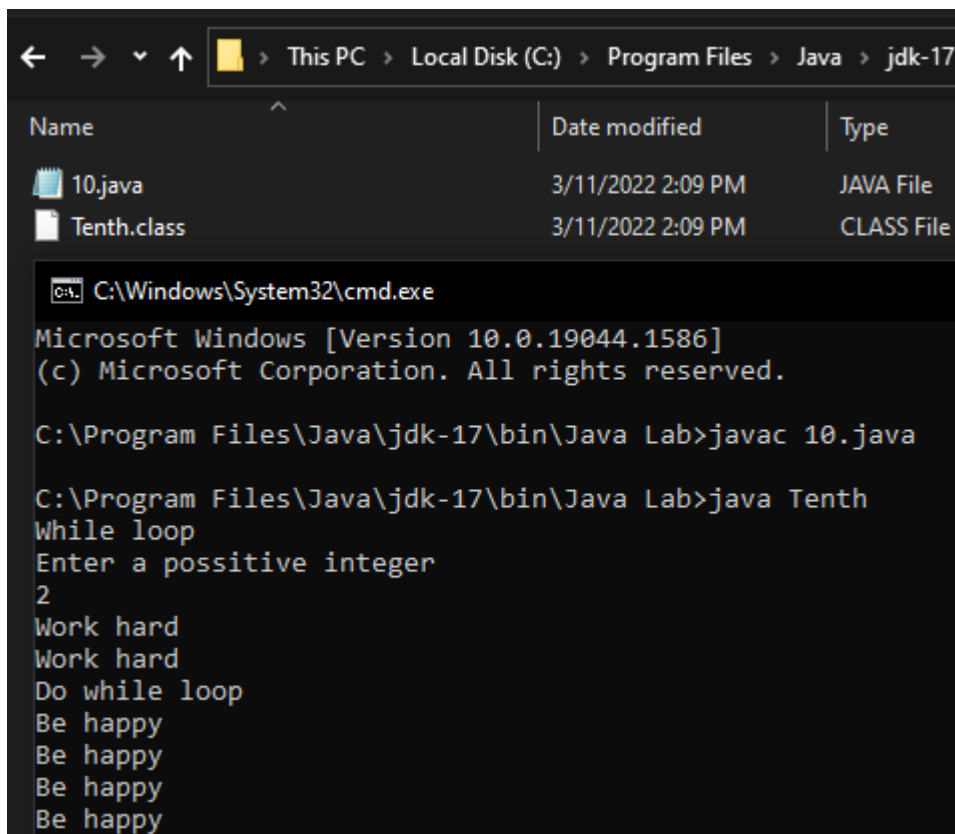
{
    public static void main(String arg[])
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("While loop");
        System.out.println("Enter a possitive integer");
        int a=sc.nextInt();

        while(a!=0)
        {
            System.out.println("Work hard");
            a--;
        }

        System.out.println("Do while loop");

        do
        {
            System.out.println("Be happy");
            a++;
        }while(a!=10);
    }
}

```



The screenshot shows a Windows File Explorer window with the address bar set to `C:\Program Files\Java\jdk-17\bin\Java Lab`. The file list contains two items:

Name	Date modified	Type
10.java	3/11/2022 2:09 PM	JAVA File
Tenth.class	3/11/2022 2:09 PM	CLASS File

Below the file list, a Windows Command Prompt window is open, showing the following commands and output:

```

C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.1586]
(c) Microsoft Corporation. All rights reserved.

C:\Program Files\Java\jdk-17\bin\Java Lab>javac 10.java

C:\Program Files\Java\jdk-17\bin\Java Lab>java Tenth
While loop
Enter a possitive integer
2
Work hard
Work hard
Do while loop
Be happy
Be happy
Be happy
Be happy

```