**Practical no.-**06

**Title:** Program to perform use of for while & do while loop

**Roll No.:** 15 **Batch-** A **Date of Performance:** 23-Feb-2022

* **Do-While Loop:**
* **Code:**

import java.lang.Math;

import java.util.Scanner;

class dwloop

{

public static void main(String args[])

{

int no1,no2,ch;

Scanner sc=new Scanner(System.in);

do{

System.out.println("\tMenu");

System.out.println("1] Minimum Value");

System.out.println("2] Maximum Value");

System.out.println("3] Square Root");

System.out.println("4] Cube Root");

System.out.println("5] Absolute Value");

System.out.println("6] Exit");

System.out.println("Enter your Choice:");

ch=sc.nextInt();

switch (ch) {

case 1:

System.out.print("Enter 2 numbers:");

no1=sc.nextInt();

no2=sc.nextInt();

System.out.println("Minimum Value="+Math.min(no1,no2));

break;

case 2:

System.out.print("Enter 2 numbers:");

no1=sc.nextInt();

no2=sc.nextInt();

System.out.println("Maximum Value="+Math.max(no1,no2));

break;

case 3:

System.out.print("Enter a number:");

no1=sc.nextInt();

System.out.println("Square root of "+no1+" ="+Math.sqrt(no1));

break;

case 4:

System.out.print("Enter a number:");

no1=sc.nextInt();

System.out.println("Cube root of "+no1+" ="+Math.cbrt(no1));

break;

case 5:

System.out.print("Enter a number:");

no1=sc.nextInt();

System.out.println("Absolute Number="+Math.abs(no1));

break;

case 6:

break;

default:

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

break;

}

}while(ch!=6);

}

}

* **Output-**

Menu

1] Minimum Value

2] Maximum Value

3] Square Root

4] Cube Root

5] Absolute Value

6] Exit

Enter your Choice:

1

Enter 2 numbers:14 9

Minimum Value=9

Menu

1] Minimum Value

2] Maximum Value

3] Square Root

4] Cube Root

5] Absolute Value

6] Exit

Enter your Choice:

2

Enter 2 numbers:122 73

Maximum Value=122

Menu

1] Minimum Value

2] Maximum Value

3] Square Root

4] Cube Root

5] Absolute Value

6] Exit

Enter your Choice:

3

Enter a number:144

Square root of 144 =12.0

Menu

1] Minimum Value

2] Maximum Value

3] Square Root

4] Cube Root

5] Absolute Value

6] Exit

Enter your Choice:

4

Enter a number:125

Cube root of 125 =5.0

Menu

1] Minimum Value

2] Maximum Value

3] Square Root

4] Cube Root

5] Absolute Value

6] Exit

Enter your Choice:

5

Enter a number: -988

Absolute Number=988

Menu

1] Minimum Value

2] Maximum Value

3] Square Root

4] Cube Root

5] Absolute Value

6] Exit

Enter your Choice:

6

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