

Practical:-4(a)

AIM:-Write a program which takes two numbers as an input and perform following operation using switch:

- I. Minimum of two numbers.**
- II. Desk calculator(addition, subtraction, multiplication and division)**

Code:-

```
import java.util.Scanner;

public class p4 {

    public static void main(String[] args) {

        int a,b;

        Scanner s=new Scanner(System.in);

        System.out.println("Enter the values of A&B");

        a=s.nextInt();

        b=s.nextInt();

        if(a<b)

        {

            System.out.println("minimum value is: "+a);

        }

        else

        {

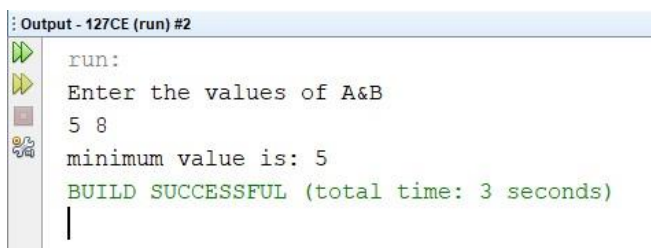
            System.out.println("minimum value is: "+b);

        }

    }

}
```

Output:-



```
Output - 127CE (run) #2
run:
Enter the values of A&B
5 8
minimum value is: 5
BUILD SUCCESSFUL (total time: 3 seconds)
```

Practical:-4(b)

AIM:-Write a program which takes two numbers as an input and perform following operation using switch:

2. Desk calculator(addition, subtraction, multiplication and division)

Code:-

```
import java.util.Scanner;

public class p4b {

    public static void main(String[] args) {

        Scanner s=new Scanner(System.in);

        System.out.println("Enter two values");

        int a,b,c;

        a=s.nextInt();

        b=s.nextInt();

        // System.out.println("Enter the choice");

        System.out.println("Enter the operation");

        System.out.println("1. Addition");

        System.out.println("2. subtraction");

        System.out.println("3. multiplication");

        System.out.println("4. divison");

        c=s.nextInt();

        switch(c){

            case 1:

                c=a+b;

                System.out.println("addition of two number is");

                break;
```

case 2:

c=a-b;

System.out.println("subtraction of two number is");

break;

case 3:

c=a*b;

System.out.println("multiplication of two number is");

break;

case 4:

c=a/b;

System.out.println("division of two number is");

break;

if(b==0)

{

System.out.println("divison is not possible");

}

else

{

c=a/b;

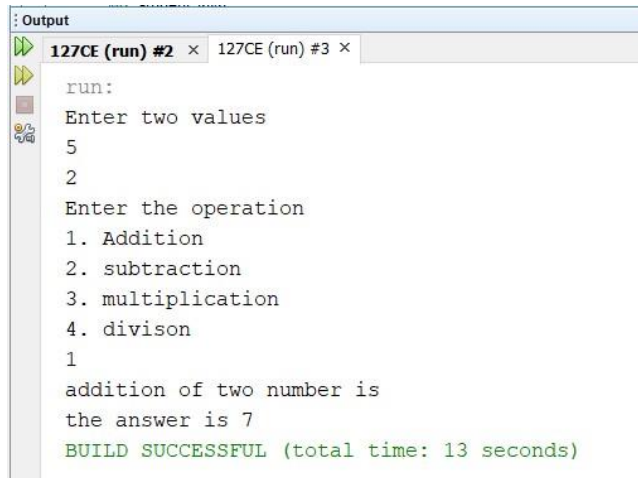
System.out.println("divison of two number is");

}

break;

```
    }  
    System.out.println("the answer is "+c);  
}  
}  
}
```

Output:-



```
run:  
Enter two values  
5  
2  
Enter the operation  
1. Addition  
2. subtraction  
3. multiplication  
4. divison  
1  
addition of two number is  
the answer is 7  
BUILD SUCCESSFUL (total time: 13 seconds)
```