Program 1

Java program to Print an Integer (Entered by the User)

Code :

```
import java.util.Scanner;
	public class helloworld{
		public static void main(String[] args) {
		System.out.println("AJAY.N.M\n1BM22CS026");
		Scanner reader = new Scanner(System.in);
		System.out.print("enter a new number : ");
		int number = reader.nextInt();
		System.out.println("you entered : "+ number);
	}
}
```

Output:

```
C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>javac helloworld.java

C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>java helloworld
AJAY.N.M
1BM22CS026
enter a new number : 5
you entered : 5
```

Program 2

Java Program to Check Whether a Number is Even or Odd

Code :

```
import java.util.Scanner;
public class javaexample {
	public static void main(String[] args){
		System.out.println("AJAY.N.M\n1BM22CS026");
		int num;
		System.out.println("enter a integer:");
		Scanner input = new Scanner(System.in);
		num = input.nextInt();
		if (num % 2 == 0){
			System.out.println(" even number");}
		else
			{System.out.println(" odd number");
			}
	}
}
```

Output:

```
C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>javac javaexample.java

C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>java javaexample
AJAY.N.M
1BM22CS026
enter a integer:
5
 odd number
```

Program 3

Java Program to Print Right Triangle Star Pattern

Code :

```
import java.util.Scanner;
public class Star
{
 public static void main(String args[])
 {
    System.out.println("AJAY.N.M\n1BM22CS026");
  int row, column, numberofrows=8;
  for(row=0; row<numberofrows; row++)
  {
   for(column=0; column<=row; column++)
   {
   System.out.print("*");
   }
  System.out.println();
  }
 }
}
```

Output:

```
C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>javac Star.java

C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>java Star
AJAY.N.M
1BM22CS026
*
**
***
****
*****
******
*******
********
```

Program 4

Java Program to Find Quotient and Remainder

Code :

```
import java.util.Scanner;
public class qr{
public static void main(String[] args){
 System.out.println("AJAY.N.M\n1BM22CS026");
 int num1 = 15,num2=2;
 int q = num1 / num2;
 int rem = num1 % num2;
 System.out.println("quotient is:" + q);
 System.out.println("Remainder is:" + rem);
 }
}
```

Output:

```
C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>javac qr.java

C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>java qr
AJAY.N.M
1BM22CS026
quotient is:7
Remainder is:1
```

Program 5

Java Program to Multiply Two Numbers

Code :

```
import java.util.Scanner;
public class multiply {
	public static void main(String[] args){
		System.out.println("AJAY.N.M\n1BM22CS026");
		Scanner scan = new Scanner(System.in);
		System.out.println("enter first number:");
		int num1 = scan.nextInt();
		System.out.println("enter second number:");
		int num2 = scan.nextInt();
		scan.close();
		int m = num1*num2;
		System.out.println("Output:"+m);
			}
	}
```

Output:

```
C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>javac multiply.java

C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>java multiply
AJAY.N.M
1BM22CS026
enter first number:
5
enter second number:
5
Output:25
```

Program 6

Swap two numbers using temporary variable

Code :

```
import java.util.Scanner;
public class swap{
public static void main(String[] args) {
System.out.println("AJAY.N.M\n1BM22CS026");
float first = 1.20f, second  = 2.45f;
System.out.println("--before swap--");
System.out.println("first number = "+first);
System.out.println("second number = "+second);
float temp = first;
first = second;
second = temp;
System.out.println("--after swap--");
System.out.println("first number = "+first);
System.out.println("second number = "+second);
}
}
```

Output:

```
C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>javac swap.java

C:\Users\REX LAPIS\Desktop\sem 3\OOJ\!1BM22CS026>java swap
AJAY.N.M
1BM22CS026
--before swap--
first number = 1.2
second number = 2.45
--after swap--
first number = 2.45
second number = 1.2
```