13 table program:

```java
public class Main
{
    public static void main(String[] args) {
        int n=13;
        for(int a = 1; a <= 10; ++a)
        {
            System.out.printf("%d * %d = %d \n", n, a, n * a);
        }
    }
}
```

```
13 * 1 = 13
13 * 2 = 26
13 * 3 = 39
13 * 4 = 52
13 * 5 = 65
13 * 6 = 78
13 * 7 = 91
13 * 8 = 104
13 * 9 = 117
13 * 10 = 130


...Program finished with exit code 0
Press ENTER to exit console.
```

Creating new class program:

```java
public class Main
{
    int i=4;
    public static void main(String[] args) {
        Main j=new Main();
        Main k=new Main();
        System.out.println(j.i);
        System.out.println(k.i);

    }
}
```

```
4
4


...Program finished with exit code 0
Press ENTER to exit console.
```

Array 1 Program:

```
Main.java
1   public class Main
2   {
3       public static void main(String[] args) {
4           String[] n={"shabeeb","shyam","balu"};
5           System.out.println(n[2]);
6       }
7   }
8
```

```
balu


...Program finished with exit code 0
Press ENTER to exit console.
```

Array 2 Program:

```
Main.java
1   public class Main
2   {
3       public static void main(String[] args) {
4           String[] n={"shabeeb","shyam","balu"};
5           for(int i=0;i<n.length;i++)
6           System.out.println(n[i]);
7       }
8   }
9
```

```
shabeeb
shyam
balu


...Program finished with exit code 0
Press ENTER to exit console.
```

Array 3 Program:

```java
public class Main
{
    public static void main(String[] args) {
        String[] n={"2","4","6","8"};
        System.out.println(n[2]);
    }
}
```

```
6

...Program finished with exit code 0
Press ENTER to exit console.
```

Pyramid Program:

```java
public class Main
{
    public static void main(String[] args) {
        int n=5;
        int a=1;
        int b=1;
        while(a<=n){
            while(b<=a)
            {
                System.out.print("*");
                b++;
            }
            System.out.print("\n");
            a++;
            b=1;
        }
    }
}
```

```
*
**
***
****
*****

...Program finished with exit code 0
Press ENTER to exit console.
```

Method Program:

```java
public class Main
{
    static void a()
    {
        System.out.println("Shabeeb");
    }
    public static void main(String[] args) {

        a();
    }
}
```

```
Shabeeb


...Program finished with exit code 0
Press ENTER to exit console.
```

Switch case Program:

```java
public class Main
{
    public static void main(String[] args) {
        int n=2;
        switch(n)
        {
            case 1:
                System.out.println("Shabeeb");
                break;
            case 2:
                System.out.println("Shyam");
                break;
            case 3:
                System.out.println("Balu");
                break;
        }
    }
}
```

```
Shyam


...Program finished with exit code 0
Press ENTER to exit console.
```

Sum of three numbers from input program:

```java
import java.util.Scanner;
class Main {
    public static void main(String[] args) {
        System.out.println("enter 3 numbers");
        Scanner sc=new Scanner(System.in);
        int a=sc.nextInt();
        int b=sc.nextInt();
        int c=sc.nextInt();
        int d=a+b+c;
        System.out.println("sum:" +d);
    }
}
```

```
enter 3 numbers
10
5
2
sum:17


...Program finished with exit code 0
Press ENTER to exit console.
```

10 integers sum and it's sqrt program:

```java
import java.util.Scanner;
class Main
{
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        int a;
        System.out.println("Enter 10 integers:");
        double sum=0;
        for(a=1;a<=10;a++)
        {
            int b=sc.nextInt();
            sum+=b;
        }
        System.out.println(Math.sqrt(sum));
    }
}
```

```
Enter 10 integers:
10
10
10
10
10
10
10
10
10
10
10.0


...Program finished with exit code 0
Press ENTER to exit console.
```

While Program:

```java
public class Main
{
    public static void main(String[] args) {
        int i=0;
        while(i<10)
        {
            System.out.println(i);
            i++;
        }
    }
}
```

```
0
1
2
3
4
5
6
7
8
9

...Program finished with exit code 0
Press ENTER to exit console.
```