1.program

```
class Addex1
{
public static void main(String args[])
{
int num1=10;
int num2=20;
float num3=3.0f;
int sum= num1+num2;
System.out.println("The integer sum" +" "+sum);

float sum1;
sum1 = num1+num3;
System.out.println("The sum of a float and an integer"+" "+sum1);
String name= "Roshna";
int age =33;
System.out.println("Name"+" "+name+" "+"Age"+" "+age);
int length=10;
int breadth=20;
Float Area;
Area = .5f*length*breadth;
System.out.println("The Area of the triangle"+" "+Area);
}
}
```

Output

```
D:\program>javac Addex1.java

D:\program>java Addex1
The integer sum 30
The sum of a float and an integer 13.0
Name Roshna Age 33
```

The Area of the triangle 100.0

2. class SwapVariable

{

public static void main(String args[])

{

int var1=20;

int var2=30;

int tempvar;

System.out.println("The numbers before swap");

System.out.println("Number1"+" "+var1+" "+"Number2"+" "+var2);

tempvar=var1;

var1=var2;

var2=tempvar;

System.out.println("The numbers after swap");

System.out.println("Number1"+" "+var1+" "+"Number2"+" "+var2);

}

}

Output

D:\program>java SwapVariable

The numbers before swap

Number1 20 Number2 30

The numbers after swap

Number1 30 Number2 20

3. class SwapWthouttempvar

{

public static void main(String args[])

{

int var1=20;

int var2=30;

int sum=var1+var2;

System.out.println("The numbers before swap");

```
System.out.println("Number1"+" "+var1+" "+"Number2"+" "+var2);
var2=sum-var2;
var1=sum- var1;
System.out.println("The numbers after swap");
System.out.println("Number1"+" "+var1+" "+"Number2"+" "+var2);
}
}
```

Output

```
D:\program>java SwapWthouttempvar
The numbers before swap
Number1 20 Number2 30
The numbers after swap
Number1 30 Number2 20
```