Q Write a program to accept choise from user and display the output:

1)Profit Loss

```java
import java.util.Scanner;

class pl

{

public static void main(String args[])

{

Scanner s=new Scanner(System.in);

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

double cp=s.nextDouble();

System.out.println("Enter the Selling price");

double sp=s.nextDouble();

if(cp-sp>0)

{

System.out.println("loss is:"+(cp-sp));

}

else if(cp-sp<0)

{

System.out.println("profit is:"+(sp-cp));

}

else

System.out.println("No Profit and No Loss");

}

}
```

```
Command Prompt

Microsoft Windows [Version 10.0.19042.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>cd..

C:\Users>cd..

C:\>e:

E:\>cd Tranning

E:\Tranning>javac pl.java

E:\Tranning>java pl
Enter the Costprice
150
Enter the Selling price
200
profit is:50.0

E:\Tranning>java pl
Enter the Costprice
200
Enter the Selling price
150
loss is:50.0

E:\Tranning>java pl
Enter the Costprice
200
Enter the Selling price
200
No Profit and No Loss

E:\Tranning>
```

2) Greater Between five numbers:

```java
import java.util.Scanner;

class greater
{
public static void main(String args[])
{
System.out.print("Enter the five numbers:\n");

Scanner sc=new Scanner(System.in);

int a,b,c,d,e;

a=sc.nextInt();

b=sc.nextInt();

c=sc.nextInt();

d=sc.nextInt();

e=sc.nextInt();

if(a>b && a>c && a>d && a>e)

System.out.println( a+  " is greater ");

else

if (b>c && b>d && b>e)

System.out.println( b+  " is greater ");

else

if (c>d && c>e)

System.out.println( c+  " is greater ");

else

if (d>e)

System.out.println( d+  " is greater ");

else

System.out.println( e+  " is  greater ");
```

}

}

Command Prompt

```
C:\Users\HP>cd..

C:\Users>cd..

C:\>e:

E:\>cd Tranning

E:\Tranning>javac greater.java

E:\Tranning>java greater
Enter the five numbers:
1
2
3
4
5
5 is  greater

E:\Tranning>java greater
Enter the five numbers:
23
45
89
67
12
89 is greater

E:\Tranning>
```

3) If number is even than display the square and odd display the cube:

```java
import java.util.Scanner;

class no

{

public static void main(String args[])

{

int n ,sq,cu;

Scanner sc=new Scanner(System.in);

System.out.println("Enter the even  number");

n=sc.nextInt();

if (n%2==0)

{

sq=n*n;

System.out.println("The square is : "+sq);

}

else

{

System.out.println(" it is not even no");

}

System.out.println("Enter the odd  number");

n=sc.nextInt();

if(n%2==1)

{

cu=n*n*n;

System.out.println("The cube is :"+cu);

}

else
```

```java
{

System.out.println(" it is not odd no");

}

}

}
```

4)consonant vowel:

```java
import java.util.Scanner;

class chvo

{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

System.out.println("Enter any character");

 char ch=sc.next().charAt(0);

 if(  ch=='a'||ch=='e'||ch=='i'||ch=='o'||ch=='u'||ch=='A'||ch=='E'||ch=='I'||ch=='O'||ch=='U')

{

        System.out.print("It is vowel");

}

        else

{

        System.out.print("It is consonant");

}

}

}
```

Command Prompt

```
Microsoft Windows [Version 10.0.19042.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>cd..

C:\Users>cd..

C:\>e:

E:\>cd Tranning

E:\Tranning>javac chvo.java

E:\Tranning>java chvo
Enter any character
a
It is vowel
E:\Tranning>java chvo
Enter any character
U
It is vowel
E:\Tranning>java chvo
Enter any character
s
It is  consonant
E:\Tranning>java chvo
Enter any character
A
It is vowel
E:\Tranning>
```

5)Display the name of month:

```java
import java.util.*;

class month

{

public static void main(String args[])

{

int n;

Scanner sc=new Scanner(System.in);

System.out.println("Enter the number of month");

n=sc.nextInt();

switch(n)

{

case 1:

System.out.println("January");

break;

case 2:

System.out.println("february");

break;

case 3:

System.out.println("March");

break;

case 4:

System.out.println("April");

break;

case 5:

System.out.println("May");

break;
```

```java
case 6:

System.out.println("June");

break;

case 7:

System.out.println("July");

break;

case 8:

System.out.println("August");

break;

case 9:

System.out.println("September");

break;

case 10:

System.out.println("October");

break;

case 11:

System.out.println("November");

break;

case 12:

System.out.println("December");

break;

default:

System.out.println("Please enter valid number");

break;

}

}

}
```

```
Microsoft Windows [Version 10.0.19042.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>cd..

C:\Users>cd..

C:\>e:

E:\>cd Tranning

E:\Tranning>javac month.java

E:\Tranning>java month
Enter the number of month
11
November

E:\Tranning>java month
Enter the number of month
3
March

E:\Tranning>java month
Enter the number of month
12
December

E:\Tranning>
```