TNPL

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Assignment-5

1.) write a program to print the multiplication table of number upto n

```
int m=4;
int N=5;
for (int i=1; i<=N; i++)
{
  System.out.println(i+"x"+m+"="+
                     (i*m));
}
```

2.) write a program to read the numbers until -1 is encountered.

```
int i=0, j=0;
int n=0;
int s1=0, s2=0;
int posSum=0, negSum=0;
while (n!=-1)
{
  n=input.nextInt();
  if (n==-1)
    break;
  if (n>0)
  {
    i++;
    s1=s1+n;
  }
  else
  {
    j++;
    s2=s2+n;
  }
}
```

```
System.out.println(i);
System.out.println(j);
double Pos=(s1/i);
double neg=s2/j;
System.out.println("The average of Positive:
                    "+Pos);
System.out.println("The average of negative:"
                    +neg);
```

3. write a program to read a character until a * is encountered. also count the number of uppercase lowercase and numbers.

```
Scanner input = new Scanner(System.in);
System.out.println("Enter * to exit....");
char c='0';
int lower=0, upper=0, digit=0;
while(c!='*')
{
  c=input.next().charAt(0);
  if(c>=65 && c<=90)
    upper=upper+1;
  else if(c>=97 && c<=122)
    lower=lower+1;
  Else if(c>=48 && c<=57)
    digit=digit+1;
}
System.out.println("lower:"+lower);
System.out.println("upper:"+upper);
System.out.println("Digit:"+digit);
```

4. write a program to find the Nth largest Number in a array.

```
Scanner input = new Scanner (System.in);
int a[] = {14, 67, 48, 23, 5, 62};
int len = a.length;
Arrays.sort (a);
int N=4;
System.out.println (N+" largest number:" +a
                                    [len-N];
```

5. write a program to convert to Binary to Decimal, octal.

```
Scanner input = new Scanner (System.in);
    String bin = input.nextLine ();
    int dec = Integer.parseInt (bin, 2);
    System.out.println ("Decimal:" +dec);
    String oct = Integer.toOctalString (dec);
    System.out.println ("octal:" +octal);
```

6.) Display multiplication table for 5 and 10

```
import java.until.Scanner;
class A extends Thread
{
  public void run()
  {
    int n=5;
    for (int i=1; i<=n; i++)
```

```
{
System.out.println(n+" x "+i+" = "+(n*i));
}
}
}
class B extends Thread
{
Public Void run()
{
int n=10;
for(int i=1; i<=n; i++)
{
System.out.println(n+" x "+i+" = "+(n*i));
}
}
}
Public class ak
{
Public Static Void main(String[] args)
{
Scanner input = new Scanner(System.in);
A threadA= new A();
B threadB= new B();
threadA.start();
threadB.start();
}
}
```

7.
```
import java.util.Scanner;
class abc
{
abc (int x, int y)
 {
   System.out.print (x + " , " + y);
 }
}
Public (class ak extend abc)
     ak (int x, int y)
      {
      .scann (x, y);
public static void main (String [] abc)
{
   Scanner input = new Scanner (System.in);
   int a1 = input .next Int ();
   int b1 = input .next Int ();
   ak obj = new ak (a1, b1);
   }
}
```

8.
```
import java.util.array;
import java.util.local;
import java.util.Scanner;
public class uk{
Scanner. public static void main
                    (String[] args)
{
   Scanner input = new Scanner (System.in);
   String name = input.next();
   name.Split ("null");
   name = name.trim();
```