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```
import java.util.scanner;
class weekza {
public static void main(String args[]){
 Scanner sc = new Scanner (System.in);
 System.out.println ("Enter a number-");
 int n = sc.nextInt ();
 int num = 1;
 for (int i=0; i<n; i++) {
    for (int j=0; j<=i; j++) {
       System.out.print (num +" ");
         ++num;
     }
     System.out.println();
  }
 }
}
```


Signature .....

```
import java.util.Scanner;
import java.lang.Math;
class wee2b{
  public static void main (String args[]){
   final int SUB= 6;
   Float[] cseMark = new Float [SUB];
   Float[] seeMark = new Float [SUB];
  Float[] totMark = new Float [SUB];
   Float cse, see;
   int i, j, k;
   Scanner sc = new Scanner (System.in);
   System.out.println ("Enter cse mark out of 50-In");
   for (i= 6; i<SUB; i++){
      System.out.print ("sub" +(i+1)+ "In");
      cse = sc.nextFloat();
      if (cse > 50){
        System.out.println ("enter marks for 50-In");
        i-= 1;
      }.
      cse Mark [i] = Math.round (cse);
   }.
   System.out.println("Enter see mark out of 100-In");
   for (j=0; j< SUB; j++){
      System out. print ("sub"+(j+1)+ "In");
      see = sc. nextFloat();
```

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```
if (see>100){
    System.out.println("enter marks for 100-\n");
    i-= 1;
}
else{ seeMark[j] = Math.round(see/2);
}
}
for(k=0; k<SUB; k++){
    totMark[k] = ceMark[k] + seeMark[k];
    System.out.println("for sub"+(k+1)+" grade is\n");
if(totMark[k] >=90){
        System.out.println("S\n");
} else if(totMark[k]>=80){
        System.out.println("A\n");
} else if(totMark[k]>=70){
        System.out.println("B\n");
} else if(totMark[k]>=60){
        System.out.println("C\n");
} else if(totMark[k]>=50){
        System.out.println("D\n");
} else if(totMark[k]>=40){
        System.out.println("E\n");
} else{ System.out.println("F\n");
}
}
}
}
```


Signature.....

```
import java.util.Scanner;
public class week2e{
  public static void main(String args[]){
    int a,b,num1, num2, i, j;
    Scaner sc = new Scaner(System.in);
  System.out.println("Enter 2 nos:");
  num1 = sc.nextInt();
  num2= sc.nextInt();
  if (num1>num2){
        a=num2;
        b=num1; }
  else{ a=num1;
        b= num2; }
  if(b<2){ System.out.println("there are no in range");
        System.exit(0); }
  System.out.println("prime nos in the range are:");
    for(i=a; i<=b; i++){
    int flag=0;
      for(j=2; j<=i/2; j++){
          if(i%j==0){
              flag=1;
              break; }}
    if (flag==0 && i!=1 && i!=0){
        system.out.print(i);
        System.out.println();
    }
  }
}
```

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```
Import java.util.Scanner;
Import java.lang.Math;
class week2d {
  publx stalx void main(String args[]){
    Hout double pi = 3.14;
    double r, h;
    int choice;
    double area, volume;
  System.out.println("Enter shape you want\n");
  Scanner sc = new Scaner(System.in);
  do {
   System.out.println("menu 1:Cylinder 2:Cone 3:Sphere
   4: Exit\n");
   choice = sc.nextInt();
   switch(choice){
case1:
   System.out.println("Enter radius:\n");
   r= sc.nextDouble();
   System.out.println("Enter height:\n");
   h= sc.nextDouble();
   area= (2*pi*r*h)+(2*pi*(Math.pow(r,2));
   volume = pi*(Math.pow(r,2))*h;
   System.out.println("Area"+area+"Volume"+volume+"\n");
   break;
```


Signature.....

```
case2:
  System.out.println("Enter radius\n");
  r= sc.nextDouble();
  System.out.println("Enter height\n");
  h= sc.nextDouble();
  area= pi*r*r+(r*Math.sqrt(Math.pow(h,2)+Math.pow(r,2)));
  volume= pi* Math.pow(r,2) * h/3.0;
 System.out.println("Area"+area+"Volume "+volume+"\n");
   break;
 case3;
  System.out.println("Enter radius\n");
  r=sc.nextDouble();
  area = 4* pi* Math.pow(r,2);
  volume = (4/3.0)* (pi*(Math.pow(r,3)));
  System.out.println("Area"+area+"volume"+volume+"\n");
    break;
  case4:
     System.out.println("Exit\n");
     sc.close();
  default:
     System.out.println("Enter no from 1to4");
    }
  }while(choice!=4);
  }
}
```

break;