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```
3. Class Series {

    public static void main (string args[]){

     int s[][] = new int [4][];
     s[0] = new int [1];
      s[1] = new int [2];
      s[2] = new int [3];
      s[3] = new int (4];
       int i, j, k, = 1;
      for(i=0;i<4; i++)
      for( j=0 ; j<i+1; j++){
      s[i][j]=k;
       k++;
      }
    for(i=0; i<4 ; i++){
    for (j = 0; j<i+1; j++)
     System.out.print(s[i][j]+" ");
     System.out.println();
    }
    }
    }
```

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```
4)  Class student {

  Public  static void main (String args[]){

    int math = 38;
    int mathsee = 78;
    int total = math + mathsee/2;

   if (total>=90) { System. Out. print("~~student go~~ S grade");}
  else if (total>=80 && total <90)
           { System.Out.print("Student got A grade");}

  else if (total >=70  && total <80)
      { System.Out.print(" Student got B grade ");}

  else if ( total  >=60  && total<70)
       { System.Out.print (" Student got C grade ");}

  else if (total >=50 && total<60)
       { System.Out. print("student got D grade");}
else if ( total >= 40 && total 50))
  { System.out.print("Student go E grade");}

 else if( total<40){System.out.print("Student
                              got F grade");}

}

}
```

(Q5) Class primes

```
{
  public static void main (String args[])
  {
    int a;
    int b=20;
    for(a=2;a<=b;a++)
    {
      int f=0;
     for(int k=2;k<=a/2;k++)
     {
       if(a%k==0)
     {f=1; break;}
     }
```

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```
if (q==0)
{ System.out.print(a+" "); }

}
}
}
```

6)

```
Class areavolume {
public static void main(String args[])
{
double r=15, h=25;
System.out.println(" radius +"+r+" and height is "+h);
double Ca = 2*3.14*r*h + 2*3.14*r*r;
double Cv = 3.14*r*r*h
double ca = 3.14*r*r+3.14*r*Math.sqrt(h*h+r*r)

double cv = 3.14*r*r*h/3;
double sa = 4*3.14*r*r;
double sv = (4/3)*3.14*r*r*r;
```

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```
System.Out.println("Area of Cylinder: " + ca);

System.out.println("Volume of cylinder: " + cv);

System.Out.println("Area of cone : " + ca);

System.Out.println(" ~~Area~~ Volume of
                               cone : " + cv);

System.Out.println(" Area of sphere : " + sa);

System.out.println("Volume of sphere :" + sv);

}
}
```