Name : Bhavyasri Srinath

Department : ECE

Reg No : 111718106149

1. **package** wipro\_Milestone;

**import** java.util.\*;

**public** **class** MaxNumInArray {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

**int** a[]=**new** **int**[10];

**for**(**int** i=0;i<10;i++) {

a[i]=sc.nextInt();

}

sc.close();

**int** max=a[0];

**for**(**int** i=0;i<10;i++) {

**if**(max<a[i]) {

max=a[i];

}

}

System.***out***.print(max);

}

}

2. **package** wipro\_Milestone;

**import** java.util.\*;

**public** **class** MaxValOccuranceCount {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

**int** a[]=**new** **int**[10];

**for**(**int** i=0;i<10;i++){

a[i]=sc.nextInt();

}

sc.close();

**int** max=a[0];

**for**(**int** i=0;i<10;i++) {

**if**(a[i]>max) {

max=a[i];

}

}

**int** count=0;

**for**(**int** i=0;i<10;i++) {

**if**(a[i]==max) {

count++;

}

}

System.***out***.println(count);

}

}

3. **package** wipro\_Milestone;

**import** java.util.\*;

**public** **class** Pyramid {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

**int** a=sc.nextInt();

sc.close();

**int** k=1,m=0;

**int** rem=0;

**for**(**int** i=1;i<=a;i++) {

**int** q=i+1;

**for**(**int** j=a-1;j>=i;j--) {

System.***out***.print(" ");

}

**for**(**int** j=1;j<=i;j++) {

rem=k%10;

System.***out***.printf(rem+" ");

k++;

}

**int** rem1=m;

**for**(**int** j=2;j<=i;j++) {

System.***out***.print(rem1%10+" ");

rem1--;

}

m=m+q;

System.***out***.println();

}

}

}

4. **package** wipro\_Milestone;

**import** java.util.\*;

**public** **class** FactorialOfN {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

**int** N=sc.nextInt();

sc.close();

**for**(**int** i=1;i<=N;i++) {

**if**(N%i==0) {

System.***out***.print(i+" ");

}

}

}

}

5. **package** wipro\_Milestone;

**import** java.util.\*;

**public** **class** Average {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

**int** a[]=**new** **int**[10];

**for**(**int** i=0;i<10;i++) {

a[i]=sc.nextInt();

}

sc.close();

**float** sum=0;

**float** avg=0;

**for**(**int** i=0;i<10;i++) {

sum=sum+a[i];

}

avg=sum/10;

System.***out***.print(avg);

}

}

6. **package** wipro\_Milestone;

**import** java.util.\*;

**public** **class** RemoveDuplicate {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

LinkedHashSet<Character>s=**new** LinkedHashSet<>();

String str=sc.nextLine();

sc.close();

**for**(**int** i=0;i<str.length();i++) {

s.add(str.charAt(i));

}

**for**(Character m:s) {

System.***out***.println(m);

}

}

}

7. **package** wipro\_Milestone;

**import** java.util.Scanner;

**public** **class** FindLength {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

**int** speed=sc.nextInt();

**int** time=sc.nextInt();

sc.close();

**int** distance=speed\*time;

System.***out***.println(Math.*abs*(distance));

}

}

8. **package** wipro\_Milestone;

**import** java.util.Scanner;

**public** **class** SpeedOfTrain {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

**float** trainLen=sc.nextInt();

**float** manSpeed=5;

**float** trainTime=sc.nextInt();

sc.close();

**float** trainSpeedRelativeToMan=(trainLen\*18)/(trainTime\*5);

System.***out***.println(trainSpeedRelativeToMan+manSpeed);

}

}

9. **package** wipro\_Milestone;

**import** java.util.Scanner;

**public** **class** ValidVotesOfC2 {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

**int** validVotesOfc1=55;

**int** TotalInvalidVotes=20;

**int** TotalVotes=sc.nextInt();

**int** TotalvalidVotes=100-TotalInvalidVotes;

**int** validVotesOfc2=100-validVotesOfc1;

**int** totalValidVotes=TotalVotes\*TotalvalidVotes/100;

**int** ResvalidVotesOfc2=totalValidVotes\*validVotesOfc2/100;

sc.close();

System.***out***.println("The valid votes of candidate 2 is: "+ResvalidVotesOfc2);

}

}

10. **package** wipro\_Milestone;

**public** **class** LeastPerfectSquare {

**public** **static** **void** main(String[] args) {

**for**(**int** i=21;i<=(**int**)Math.*pow*(2,21);i++)

{

**int** square\_root=(**int**)Math.*sqrt*(i);

**if**((square\_root\*square\_root == i)&&(i%21==0 && i%36==0 && i%66==0))

{

System.***out***.println(i);

**break**;

}

}

}

}

11. **package** wipro\_Milestone;

**public** **class** WorkDone {

**public** **static** **void** main(String[] args) {

**float** rh=6;

**float** rw=32;

**float** kh=5;

**float** kw=40;

**float** asgp=110;

**float** tw=(rw/rh)+(kw/kh);

**float** res=asgp\*(1/tw);

System.***out***.println(res);

}

}

12. **package** wipro\_Milestone;

**import** java.util.\*;

**public** **class** PrimeOrNor {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

**int** n=sc.nextInt();

sc.close();

**int** flag=0;

**for**(**int** i=2;i<=n/2;i++) {

**if**(n%i==0) {

flag++;

**break**;

}

}

System.***out***.print(flag==0?"Prime":"Not Prime");

}

}

13. **package** wipro\_Milestone;

**public** **class** AreaOfRectangle {

**public** **static** **void** main(String[] args) {

**int** p=206;//p=2(l+b)==[(l+b)=p/2]---------PERIMETER

**int** a=p/2;//a=l+b=103;

**int** d=23;//d=l-b=23-----------DIFFERENCE B/W LENGTH & BREADTH

**int** b=(a-d)/2;//b=80/2==b=40----------BREADTH

**int** l=a-b;//l=63-----------------------LENGTH

**int** area=l\*b;//--------------------------AREA

System.***out***.println(area);

}

}

14. **package** wipro\_Milestone;

**public** **class** GreatestDivNum {

**public** **static** **int** findGCD(**int** x,**int** y,**int** z) {

**int** gcd=0;

**for**(**int** i=1;i<=x && i<=y && i<=z;i++) {

**if**(x%i==0 && y%i==0 && z%i==0) {

gcd=i;

}

}

**return** gcd;

}

**public** **static** **void** main(String[] args) {

**int** num1=43;

**int** num2=91;

**int** num3=183;

**int** x=num3-num1;

**int** y=num2-num1;

**int** z=num3-num2;

**int** gcdNum=GreatestDivNum.*findGCD*(x,y,z);

System.***out***.println(gcdNum);

}

}

15. **package** wipro\_Milestone;

**public** **class** DiffBw2Digits {

**public** **static** **void** main(String[] args) {

**int** n;

**int** d=36;

n=d/9;

System.***out***.println(n);

}

}