

Input & Output

LEVEL 1

1. Laasya bought a new

```
#include <stdio.h>
#include <math.h>
int main()
{
    float radiusofball,volumeofball;
    scanf("%f",&radiusofball);
    volumeofball=(4/3)*3.14*(pow(radiusofball,3));
    printf("%f", volumeofball);
    return 0;
}
```

2. The employees of one

```
#include <stdio.h>
int main()
{
    char Asc;
    scanf("%c",&Asc);
    printf("%d",Asc);

    return 0;
}
```

3. Tina's brother gave

```
#include <stdio.h>
int main()
{ int n;
  scanf("%d", &n);
  printf("%d", (n*(n+1)/2)*((2*n)+1)/3);

  return 0;
}
```

4. Binita is playing a chess

```
#include <stdio.h>
int main()
{
    int n,m;
    scanf("%d %d",&n,&m);
    printf("%d",2*n*m-(n+m));
    return 0;
}
```

```
}
```

5. Professor JD has lots

```
#include <stdio.h>
#include <math.h>
int main()
{
    float b,ls,rs1,rs2;
    scanf("%f %f",&b,&ls);
    rs1=sqrt((ls*ls)-(b*b));
    rs2=sqrt((ls*ls)+(b*b));
    printf("%0.5f %0.5f",rs1,rs2);
    return 0;
}
```

6. Binita was travelling from

```
#include <stdio.h>
int main()
{
    int tot_mins,hrs,mins;
    scanf("%d", &tot_mins);
    hrs=tot_mins/60;
    mins=tot_mins-(hrs*60);
    printf("%d Hours and %d Minutes",hrs,mins);
    return 0;
}
```

7. Sajid was booking a

```
#include <stdio.h>
int main()
{ int num1,num2,num3;
int sum;
scanf("%d %d %d",&num1,&num2,&num3);
sum=num1+num2+num3;
printf("%d",sum);

    return 0;
}
```

8. Elavenil has a chessboard

```
#include <stdio.h>
int main()
{ int n,m;
scanf("%d %d",&n,&m);
printf("%d",n*m-(n+m-1));

    return 0;
}
```

```
}
```

9. During the IPL

```
#include <stdio.h>
int main()
{ int iplno;
  scanf("%d",&iplno);
  printf("%o\n",iplno);
  printf("%x\n",iplno);
  return 0;
}
```

10. Arif came from a

```
#include <stdio.h>
int main()
{ float val1,val2,outcome;
  scanf("%f %f",&val1,&val2);
  outcome=val1*val2;
  printf("%.4f", outcome);
  return 0;
}
```

LEVEL 2

1. Athika & Ritu got a

```
#include <stdio.h>
int main()
{
    float basic,sal;
    scanf("%f",&basic);
    sal=(0.8*basic)+(0.4*basic)+basic;
    printf("%.2f",sal);
    return 0;
}
```

2. Ratik a young

```
#include <stdio.h>
int main()
{
    float p,i,interest,amount;
    int t;
    scanf("%f %f %d",&p,&i,&t);
    interest=(p*i*t)/100;
    amount=p+interest;
    printf("Interest after %d Years = $%.2f\n",t,interest);
    printf("Total Amount after %d Years = $%.2f\n",t,amount);
    return 0;
}
```

3. Surya was used to

```
#include <stdio.h>
int main()
{
    int sec,h,m,s;
    scanf("%d",&sec);
    h=sec/3600;
    m=(sec-(h*3600))/60;
    s=(sec-(m*60)-(h*3600));
    printf("%dH:%dM:%dS",h,m,s);
    return 0;
}
```

4. Arif planned to make

```
#include <stdio.h>
int main()
{
    float length,width,area;
    scanf("%f %f",&length,&width);
    area=length*width;
    printf("%.2f sq.ft",area);
    return 0;}
}
```

5. Roopa & Atifa are sisters

```
#include <stdio.h>
int main()
{ float num1,num2;
  int sum;
  scanf("%f %f",&num1,&num2);
  sum=(int)num1+(int)num2;
  printf("%d",sum);
  return 0;
}
```

6. Issac loved to do

```
#include <stdio.h>
int main()
{ float tractLand,tractLandAcred;
  scanf("%f",&tractLand);
  tractLandAcred=tractLand/43560;
  printf("%0.2f sq.ft is equal to %0.2f acres",tractLand,tractLandAcred);
  return 0;
}
```

7. Arulmozhivarman's Dream came true

```
#include <stdio.h>
int main()
{ int GrossPayment,basic,da,hra;
  scanf("%d %d %d",&basic,&da,&hra);
  GrossPayment=basic+(da*basic/100)+(hra*basic/100);
  printf("%d",GrossPayment);
  return 0;
}
```

8. Salima saw a pair of beautiful

```
#include <stdio.h>
int main()
{
  int feet,inches;
  float cms;
  scanf("%d %d",&feet,&inches);
  cms=((feet*12)+inches)*2.54;
  printf("Your height in centimeters is : %0.2f",cms);
  return 0;
}
```

9. Aaron took his girl

```
#include <stdio.h>
int main()
{ int billwt;
float tax,tip,totaltax,totaltip,totalbill;
scanf("%d",&billwt);
tax=0.18*billwt;
tip=0.05*billwt;
totaltax=tax+billwt;
totaltip=tip+billwt;
totalbill=totaltax+totaltip-billwt;
printf("The Tax is %0.2f",tax);
printf("\nThe Tip is %0.2f",tip);
printf("\nTotal Bill With Tax and Tip is %0.2f",totalbill);
return 0;}
```

10. 2022 was approaching

```
#include <stdio.h>
int main()
{ int n,k;
scanf("%d %d",&n,&k);
printf("%d",k/n);
return 0;
}
```

LEVEL 3

1. Binita always dreamed of flying

```
#include <stdio.h>
int main()
{
    float height,bmi;
    int weight;
    scanf("%d %f",&weight,&height);
    bmi=weight/(height*height);
    printf("%0.2f",bmi);
    return 0;
}
```

2. Shiva is part of the popular

```
#include <stdio.h>
int main()
{ float base1,base2,height,area;
    scanf("%f %f %f",&base1,&base2,&height);
    area=(base1+base2)*height/2;
    printf("%.2f",area);
    return 0;
}
```

3. Simon owned a welding

```
#include <stdio.h>
int main()
{ float celsius,fahrenheit;
    scanf("%f",&celsius);
    fahrenheit=(celsius*9/5)+32;
    printf("%0.2f fahrenheit",fahrenheit);
    return 0;
}
```

4. Yasir was making a kite

```
#include <stdio.h>
#include <math.h>
int main()
{ float s1,s2,s3,s,area;
    scanf("%f %f %f",&s1,&s2,&s3);
    s=(s1+s2+s3)/2;
    area=sqrt(s*(s-s1)*(s-s2)*(s-s3));
    printf("%0.2f",area);
    return 0;
}
```

5. Arav was a popular maths

```
#include <stdio.h>
int main()
{ int num,daop;
scanf("%d",&num);
daop=num%10;
printf("%d",daop);
    return 0;
}
```

6. Vinod is part

```
#include <stdio.h>
int main()
{int year,yr;
scanf("%d",&year);
yr=year%100;
printf("%02d",yr);
    return 0;
}
```

7. Zaheer & Vinod went to California

```
#include <stdio.h>
int main()
{float appleno;
scanf("%f",&appleno);
int a=(int)appleno%10;
printf("%d",a);
    return 0;
}
```

8. Swetha has N fruits

```
#include <stdio.h>
int main()
{int n;
scanf("%d",&n);
(n%3==0)?printf("YES"):printf("NO");
    return 0;
}
```

9. Krishna has just arrived

```
#include <stdio.h>
int main()
{int m,n;
scanf("%d %d",&m,&n);
printf("%.1f",((m*n)+0.5)/2);
    return 0;}
```


10. Ford once was going

```
#include <stdio.h>
int main()
{ int seconds,days,hours,minutes;
  int h;
  scanf("%d",&seconds);
  days=seconds/86400;
  hours=(seconds%86400)/3600;
  h=seconds-(days*86400)-(hours*3600);
  minutes=h/60;
  //s=seconds%60;
  printf("The Duration is %d days %d hours %d minutes %d seconds",days,hours,minutes,seconds%60);
  return 0;
}
```