DELUXE
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1 ADD TWO NUMBERS

```
#include <stdio.h>
int main()
{
int a=10;
int b=20;
int c=a+b;
printf("addition is %d \n", c);
return 0;
}
```

addition in 30
[Program finished]

2. SUBTRACT TWO NUMBERS

```
#include <stdio.h>
intmain()
{
int a=10;
int b=20;
int c=a-b;
printf("subtraction is %d \n", c);
return 0;
}
```

subtraction is -10
[Program finished]

3 MULTIPLY TWO NUMBERS

```
#include <stdio.h>
intmain()
{
int a=10;
int b=20;
int c=a*b;
printf("multiplication is %d \n", c);
return 0;
}
```

multiplication is 200
[Program Finished]

4 DIVIDE TWO NUMBERS.

```
#include <stdio.h>
int main()
{
int a=10;
int b=20;
int c= b/a;
printf("division is %d \n", c);
return 0;
}
```

division is 2
[Program Finished]

5 ADD, MULTIPLY, SUBTRACT AND DIVIDE TWO NUMBERS.

```
#include <stdio.h>
int main()
{
int a=10;
int b=20;
int c= b/a;
printf("division is %d \n", c);
int d=10;
int e=20;
int f=d+e;
printf("addition is %d \n", f);
int g=10;
int h=20;
int i=h-g;
printf("subtraction is %d \n", i);
int j=48;
int k=2;
int l=j*k;
```

```
printf("multiplication is %d \n", l);
return 0;
}
```

```
division is 2
addition is 30
subtraction is 10
multiplication is 96

[Program finished]
```

6 CONVERT HOURS INTO MINUTES

```
#include <stdio.h>
int main()
{
int minutes=60;
int c = 3* minutes;
printf("3 hours in minutes is %d \n", c);
return 0;
}
```

```
3 hours in minutes is 180

[Program finished]
```

7 CONVERT MINUTES INTO HOURS

```
#include <stdio.h>
int main()
{
int minute = 60;
int c= 120/minute;
printf("120 minutes in hour is %d \n", c);
return 0;
}
```

```
120 minutes in hour is 2
[Program finished]
```

8. CONVERT DOLLAR INTO RUPEES WHERE 1$ = 48 RUPEES

```
#include <stdio.h>
int main()
{
int dollar = 2;
int rupees = 48* dollar;
printf("2dollar into rupees is %d \n", rupees);
return 0;
}
```

```
2 dollar into rupees is 96
[Program finished]
```

9. CONVERT RUPEES INTO DOLLAR WHERE 1$ = 48 RUPEES

```
# include <stdio.h>
int main()
int {
int rupees = 96;
int dollar = rupees / 48;
printf("96 rupees into dollar is %d \n", dollar);
return 0;
}
```

```
96 rupees into dollar is 2
[Program finished]
```

10. CONVERT DOLLARS INTO POUND WHERE 1$ = ₹48 AND 1 POUND = ₹70

```
#include <stdio.h>
int main()
{
float dollar = 10;
float rupees = dollar * 48;
printf("dollar into rupees is %.2f \n", rupees);
float pound = rupees / 70;
```

```
printf("rupees into pound is %.2f \n", pound);
return 0;
}
```

```
dollar into rupees is 480.00
rupees into pound is 6.86
[Program finished]
```

11 CONVERT GRAMS INTO KILOGRAMS.

```
#include <stdio.h>
int main()
{
int grams = 2000;
int kilograms = grams/1000;
printf("2000 grams in kilograms is %d \n", kilograms);
return 0;
}
```

```
2000 grams in kilograms is 2
[Program finished]
```

12 CONVERT KILOGRAAMS INTO GRAMS

```
#include <stdio.h>
int main()
{
int kilograms = 2;
int grams = kilograms * 1000;
printf("2 kilograms in grams is %d \n", grams);
return 0;
}
```

```
2 kilograms in grams in 2000
[Program finished]
```

13. CONVERT BYTES INTO KB, MB, GB

```
#include <stdio.h>
int main()
{
int byte = 1073741824;
int kb= byte/1024
printf("1,073,741,824 bytes in kb is %d \n", kb);
int mb = kb/1024;
printf("mb into kb is %d \n", mb);
int gb = mb /1024
printf("gb into mb is %d \n", gb);
return 0;
}
```

1,073,741,824 bytes in kb is 1048576
mb into kb is 1024
gb into mb is 1
[Program finished]

14. CONVERT CELCIUS INTO FARENHEIT F=(9/5 * C) +32

```
#include <stdio.h>
int main()
{
float Celcius=25;
float Farenheit=((9.0/5.0)* Celcius) + 32;
printf("25 degree celcius in farenheit is %d \n",Farenheit);
return 0;
}
```

25 degree celcius in farenheit is 77.00

15. CONVERT FARENHEIT INTO CELCIUS C=(5/9)*(F -32)

```
#include <stdio.h>
int main()
{
float Farenheit=59;
float Celcius =(5.0/9.0)*(Farenheit-32);
```

```
printf("59 farenheit to celcius is %d\n", Celcius);
return 0;
}
```

59 Farenheit to celcius is 15.00
[Program finished]

16 CALCULATE INTEREST where I = PRN/100

```
#include <stdio.h>
int main()
{
float Principal = 100000;
float Rate = 0.02;
float years = 2;
float Interest = Principal * Rate * years) /100;
printf("Interest on rupees 100000 at 2 percent interest for 2 years of duration is %0.2f\n", Interest);
return 0;
}
```

Interest on rupees 100000 at 2 percent interest for 2 years of duration is 40.00

[Program finished]

17 CALCULATE AREA AND PERIMETER OF A SQUARE A = L^2 P=4L

```
#include <stdio.h>
int main()
{
int length = 4;
int area = length * length;
int perimeter = 4 * length;
printf("area of square having length 4m is %d\n", area);
printf("perimeter of square having length 4m is %d\n", perimeter);
return 0;
}
```

area of square having length 4 metre is 16
perimeter of square having length 4 metre is 16

18 CALCULATE AREA AND PERIMETER OF A RECTANGLE

```
#include <stdio.h>
int main()
{
int length = 4;
int breadth = 2;
int area = length * breadth;
int perimeter = 2(length + breadth);
printf("area of rectangle having length 4 metre, area);
printf( perimeter of square having length, perimeter
        and breadth 2 is %d\n"
        4metre and breadth 2metre is %d \n"
return 0;
}
```

area of rectangle having length 4 metre and breadth 2 is 8
perimeter of rectangle having length 4metre and breadth 2 metre is 12

[Program finished]

19 CALCULATE AREA OF CIRCLE A = 22/7 * R * R

```
#include <stdio.h>
int main()
{
float radius = 4;
float area = (22.0/7.0) * radius * radius;
printf("area of circle having radius 4m is %.2f\n",
return 0;
}
```

area of circle having radius 4m is 50.29
[Program finished]

20 CALCULATE AREA OF A TRIANGLE. A = H*L/2

```
#include <stdio.h>
int main()
{
float height=4;
float length= 6;
float area = (height*length)/2;
printf("area of triangle having h=4 and l=6 is%0.2f\n"
                                        ,area);
return 0;
}
```

area of triangle having h=4 and l=6 is 12.00
[Program finished]

21 CALCULATE NET SALARY
WHERE NET SALARY = GROSS SALARY + ALLOWANCE - DEDUCTION.
ALLOWANCES ARE 10% WHILE DEDUCTIONS ARE 3% OF GROSS SALARY

```
#include <stdio.h>
int main()
{
float gross_salary = 100000;
float allowance = 0.01 * gross_salary;
float deduction = 0.03 * gross_salary;
float net_salary = gross_salary + allowance - deduction;
printf("net salary is %0.2f\n", net_salary);
return 0;
}
```

net salary is ~~80000~~ 1,07,000.00
[Program finished]

22 CALCULATE NET SALES WHERE NET SALES = GROSS SALES - 10% DISCOUNT OF GROSS SALES

```
#include <stdio.h>
int main()
{
float gross_sales = 100000;
float discount = 0.1 * gross_sales;
float net_sales = gross_sales - discount;
printf("net salary is %.2f \n", net_sales);
return 0;
}
```

net salary is 90000.00
[Program finished]

23. CALCULATE AVG OF 3 SUBJECTS ALONG WITH THEIR TOTAL.

```
#include <stdio.h>
int main()
{
int Maths = 100;
int Chemistry = 99;
int Physics = 99;
float average = (Maths + Chemistry + Physics)/3.0;
int total = Maths + Chemistry + Physics;
printf("avg marks of 3 subjects is %.2f \n", average);
printf("total marks of 3 subjects is %d \n", total);
return 0;
}
```

avg marks of 3 subjects is 99.33
total marks of 3 subjects is 298
[Program finished]

24. SWAP 2 VALUES

```
#include <stdio.h>
int main()
```

```
{
int a=5, b=10, temp;
temp=a;
b=temp;
printf("a=%d, b=%d \n", a, b);
return 0;
}
```

a=10, b=5

[Program finished]