Programiz
C Online Compiler

Programiz PRO

main.c   Output

```c
1  // Online C compiler to run C
      program online
2  #include <stdio.h>
3
4  int main() {
5      float p,t,r,si;
6      printf("enter p,t,r values");
7      scanf("%f%f%f",&p,&t,&r);
8      si=(p*t*r)/100;
9      printf("the simple interest is
          %f",si);
10  }
```

1

Run

```c
// Online C compiler to run C
       program online
#include <stdio.h>

int main() {
int a,b,c,d,e,total;
float perct;
printf("enter marks of 5 subjects"
       );
scanf("%d%d%d%d%d",&a,&b,&c,&d,&e);
total=a+b+c+d+e;
printf("the total is %d",total);
perct=(total/500)*100;
printf("\nthe percentage is %f"
       ,perct);
}
```

```c
#include <stdio.h>
void main()
{
    float gross,income,hra,oa;
    printf("enter the total income of the person");
    scanf("%f",&income);
    printf("enter the house rent allowances of the person");
    scanf("%f",&hra);
    printf("enter other allowances of the person");
    scanf("%f",&oa);
    gross=income+hra+oa;
    printf("the gross salary of the person is %f",gross);
}
```

3

```c
rachana1.c
1  #include <stdio.h>
2  void main()
3  {
4  float fahrenheit,celsius;
5  printf("enter the temperature in fahrenheit");
6  scanf("%f",&fahrenheit);
7  celsius=(fahrenheit-32)*5/9;
8  printf("the temperature in celsius is %f",celsius);
9  }
```

4

```
1   #include<stdio.h>
2   int main()
3   {
4       int a=1,b=2,c;
5       c=a;
6       a=b;
7       b=c;
8       printf("the value of a is %d",a);
9       printf("\nthe value of b is %d",b);
10  }
```

5

```c
1  // Online C compiler to run C
       program online
2  #include <stdio.h>
3
4  int main() {
5  int a=1,b=2;
6  a=a+b;
7  b=a-b;
8  a=a-b;
9  printf("After swap a=%d b=%d",a,b);
10 }
```

6

```c
1    #include <stdio.h>
2    #include <math.h>
3    void main()
4    {
5        float a,b,c,s,area;
6        printf("enter the values of a,b,c");
7        scanf("%f%f%f",&a,&b,&c);
8        s=(a+b+c)/2;
9        area=sqrt(s*(s-a)*(s-b)*(s-c));
10       printf("the area of the triangle is %f",area);
11    }
```

7

```c
// Online C compiler to run C
    program online
#include <stdio.h>

int main() {
float sec,day,hour,min;
printf("enter total seconds");
scanf("%f",&sec);
day=sec/86400;
hour=(sec-(day*86400))/3600;
min=(sec-(day*86400)-(hour*3600
    ))/60;
printf("it can be written as %f
    days %f hours %f mins",day,hour
    ,min);
}
```

```c
#include <stdio.h>
int main()
{
    float hr,min,sec,tsec;
    printf("enter the time in hr,min,sec");
    scanf("%f%f%f",&hr,&min,&sec);
    hr=hr*3600;
    min=min*60;
    tsec=hr+min+sec;
    printf("the total time in seconds is %f",tsec);
}
```

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```c
1   #include <stdio.h>
2   int main()
3   {
4       int m,p,c,e;
5       float cm;
6       printf("enter the marks of student in phy,che,maths,entrancee");
7       scanf("%d%d%d%d",&p,&c,&m,&e);
8       cm=p/2+c/2+m/2+e/2;
9       printf("the cutoff mark of that student is %f",cm);
10  }
```

10

```c
#include <stdio.h>
int main()
{
    int sec,min,hour;
    printf("enter total no of seconds");
    scanf("%d",&sec);
    hour=sec/3600;
    min=(sec-(hour*3600))/60;
    sec=(sec-(hour*3600)-(min*60));
    printf("time is %d hr/s :%d min/s :%d sec/s",hour,min,sec);
}
```

11

```c
1    #include<stdio.h>
2    int main()
3    {
4        char c;
5        printf("enter a character");
6        scanf("%c",&c);
7        printf("the ASCII code of %c is %d",c,c);
8        return 0;
9    }
```

12

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

    int num;
    printf("enter a number");
    scanf("%d",&num);
    if(num%2==0)
    printf("the number is even");
    else
    printf("the number is odd");
}
```

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```c
1   // Online C compiler to run C
       program online
2   #include<stdio.h>
3   int main(){
4       char ch;
5       printf("enter a character:");
6       scanf("%c",&ch);
7       if(ch >= 65 && ch <= 90)
8           printf("Upper Case Letter");
9       else if(ch >= 97 && ch <= 122)
10          printf("Lower Case letter");
11      else if(ch >= 48 && ch <= 57)
12          printf("Number");
13      else
14          printf("Symbol");
15      return 0;
16  }
```

14

```c
1     #include <stdio.h>
2     int main()
3     {
4         int a,b,c,d,e;
5         printf("enter the marks of 5 subjects of a student out of 100");
6         scanf("%d%d%d%d%d",&a,&b,&c,&d,&e);
7         {if(a>=75)
8         printf("congrats!you are in first division");
9         else if(a>=50 && a<75)
10    printf("congrats!you are in second division");
11    else
12    printf("congrats!you are in third division");
13        }
14    {if(b>=75)
15        printf("\ncongrats!you are in first division");
16        else if(b>=50 && b<75)
17    printf("\ncongrats!you are in second division");
18    else
19    printf("\ncongrats!you are in third division");
20        }
21    {if(c>=75)
22        printf("\ncongrats!you are in first division");
23        else if(c>=50 && c<75)
24    printf("\ncongrats!you are in second division");
25    else
26    printf("\ncongrats!you are in third division");
27    }
28    {if(d>=75)
29        printf("\ncongrats!you are in first division");
30        else if(d>=50 && d<75)
31    printf("\ncongrats!you are in second division");
32    else
33    printf("\ncongrats!you are in third division");
34        }
35    {if(e>=75)
36        printf("\ncongrats!you are in first division");
37        else if(e>=50 && e<75)
38    printf("\ncongrats!you are in second division");
39    else
40    printf("\ncongrats!you are in third division");
41        }
42    }
```

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```c
#include <stdio.h>
int main()
{
    int a,b,c,d,e;
    printf("enter any three numbers");
    scanf("%d%d%d",&a,&b,&c);
    if(a>b)
    d=a;
    else
    d=b;
    if(d>c)
    e=d;
    else
    e=c;
printf("the greatest of the three numbers is %d",e);
}
```

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```c
#include <stdio.h>
int main()
{
        int a,b,c,d;
        printf("enter any three numbers");
        scanf("%d%d%d",&a,&b,&c);
        if(a>b && a>c)
        printf("the biggest among them is %d",a);
        else if(b>a && b>c)
        printf("the biggest number among them is %d",b);
        else
        printf("the biggest number is %d",c);
}
```

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```c
#include <stdio.h>

int main()
{
    int num1, num2, num3, max;
    printf("Enter three numbers: ");
    scanf("%d%d%d", &num1, &num2, &num3);
    max = (num1 > num2 && num1 > num3) ? num1 :
            (num2 > num3) ? num2 :
                num3;

    printf("\nMaximum between %d, %d and %d = %d", num1, num2, num3, max);

    return 0;
}
```

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```c
1   // Online C compiler to run C
        program online
2   #include <stdio.h>
3
4 ▾ int main() {
5   char c;
6   printf("enter a character");
7   scanf("%c",&c);
8   if(c>='a'&& c<='z')
9   printf("it is a lower case alphabet
        ");
10  else
11  printf("it is not lower case");
12  }
```

19

```c
1    #include <stdio.h>
2    int main()
3    {
4        int n1,n2,num;
5        printf("enter two numbers");
6        scanf("%d%d",&n1,&n2);
7        printf("enter 1 for addition, 2 for subtraction, 3 for product, 4 for remainder, 5 for quotient");
8        public int __cdecl printf (const char * __restrict__ _Format, ...)
9        switch(num)
10       {
11       case  1:printf("the sum is %d",n1+n2);
12       break;
13       case 2:printf("the difference is %d",n1-n2);
14       break;
15       case 3:printf("the product is %d",n1*n2);
16       break;
17       case 4:printf("the remainder is %d",n1%n2);
18       break;
19       case 5:printf("the quotient is %d",n1/n2);
20       break;
21       default:printf("wrong input");
22       }
23   }
```

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```c
int main() {
    int n1,n2;
    char c;
    printf("enter any two numbers");
    scanf("%d%d",&n1,&n2);
    printf("enter any arithmetic
        operator");
    scanf("%c",&c);
    switch(c)
    {
        case '+':printf("sum=%d",n1+n2
            );
        break;
        case '-':printf("difference=%d"
            ,n1-n2);
        break;
        case '*':printf("product=%d",n1
            *n2);
        break;
        case '%':printf("remainder=%d"
            ,n1%n2);
        break;
        case'/':printf("quotient=%d",n1
            /n2);
        break;
        default:printf("wrong choice");
}
}
```

```c
1      #include <stdio.h>
2      int main()
3      {
4          int num,q=1;
5          printf("enter a number");
6          scanf("%d",&num);
7          while(num>0)
8          {
9          q=q*num;
10         num=num-1;
11         }
12         printf("the factorial of the number is %d",q);
13     }
```

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```c
#include <stdio.h>
int main()
{
    int base,exp,i=1,num=1;
    printf("enter the base of the number");
    scanf("%d",&base);
    printf("enter the exponent of the base");
    scanf("%d",&exp);
    while(i<=exp)
    {
    num=num*base;
    i=i+1;
    }
    printf("the power of the number is %d",num);
}
```

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