Programiz
C Online Compiler

main.c

Share | Run | Output | Clear

```c
#include<stdio.h>
int main()
{
    int num1,num2,num3;
    printf("enter three numbers:");
    scanf("%d%d%d",&num1,&num2,&num3);
    if(num1>=num2)
    {
        if(num1>=num3)
        {
            printf("%d is the largest number:\n",num1);
        }
        else
        {
            printf("%d is the largest number:\n",num3);
        }
    }
    else
    {
        if(num2>=num3)
        {
            printf("%d is the largest number:\n",num2);
        }
        else
        {
            printf("%d is the largest number:\n",num3);
        }
```

```
enter three numbers:67 78 63
78 is the largest number:


=== Code Execution Successful ===
```

main.c

Share Run

```c
#include<stdio.h>
int main()
{
    int a;
    printf("enter the year:");
    scanf("%d",&a);
    if(a==366)
    {
        printf("it is a leap year");
    }
    else
    {
        printf("the year is not a leap year");
    }
    return 0;
    }
```

Output Clear

```
enter the year:2016
the year is not a leap year

=== Code Execution Successful ===
```

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main.c

Share Run

```c
#include<stdio.h>
int main()
{
    char ch;
    printf("enter the character:");
    scanf("%c",&ch);
    if(ch>='0' && ch<='9')
    {
        printf("the character '%c' is a digit:\n",ch);
    }
    else
    {
        if((ch>='A' && ch<='z')||(ch>='a' && ch<='z'))
        {
            printf("the character '%c'is an alphabet:\n",ch);
        }
        else
        {
            printf("the character'%c' is a special character;\n",ch
                );

        }
        }
    return 0;
}
```

Output Clear

```
enter the character:A
the character 'A'is an alphabet:


=== Code Execution Successful ===
```

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main.c

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```c
#include<stdio.h>
#include<math.h>
int main()
{
 int opp,adj,hyp;
 float phyth;
 printf("enter the length of adjacent side:");
  scanf("%d",&adj);
  printf("enter the length of opposite side:");
  scanf("%d",&opp);
  printf("enter the length of hypotenuse:");
  scanf("%d",&hyp);
  phyth=sqrt((adj*adj)+(opp*opp));
   if(hyp==(int)phyth){
    printf("the triangle is a right triangle:\n");
   }
   else
   {
       printf("the triangle is not a right triangle:\n");
   }
   return 0;

}
```

```
enter the length of adjacent side:5
enter the length of opposite side:3
enter the length of hypotenuse:6
the triangle is not a right triangle:


=== Code Execution Successful ===
```

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main.c

Share Run

```c
// Online C compiler to run C program online
#include <stdio.h>
int main()
{
    int n1,n2,n3,n4;
    printf("enter the numbers:");
    scanf("%d%d%d%d",&n1,&n2,&n3,&n4);
    if(n1<n2 && n1<n3 && n1<n4)
    {
        printf("%d is the smallest number:",n1);
    }
    else if(n2<n3 && n2<n4)
    {
    printf("%d is smallest number:",n2);
    }
    else if(n3<n4)
    {
      printf("%d is smallest number:",n3);
    }
    else
    {
        printf("%d is smallest number:",n4);
    }
    return 0;
}
```

Output

Clear

```
enter the numbers:2 4 6 8
2 is the smallest number:

=== Code Execution Successful ===
```

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Share | Run | Output | Clear

main.c

```c
// Online C compiler to run C program online
#include <stdio.h>
int main()
{
    int units;
    float bill=0;
    printf("enter the number of units consumed:");
    scanf("%d",&units);
    if(units<=100)
    {
        bill=units*5;
    }
    else if(units<=300)
    {
        bill=(100*5)+((units-100)*7);
    }
    else{
        bill=(100*5)+(200*7)+((units-300)*10);
    }
    printf("total electricity bill:Rs.%.2f\n",bill);
    return 0;
}
```

```
enter the number of units consumed:60
total electricity bill:Rs.300.00


=== Code Execution Successful ===
```

main.c

```c
#include <stdio.h>
#include<math.h>
int main(){
   float a,b,c,discriminant,root1,root2;
   printf("enter the coefficients a,b and c:\n");
   printf("a:");
   scanf("%f",&a);
   printf("b:");
   scanf("%f",&b);
   printf("c:");
   scanf("%f",&c);
   discriminant=b*b-4*a*c;
   if(discriminant>0){
       root1=(-b+sqrt(discriminant))/(2*a);
       root2=(-b-sqrt(discriminant))/(2*a);
       printf("the roots are real and distinct:\n");
       printf("Root 1=%.2f\n",root1);
       printf("Root 2=%.2f\n",root2);
   }else{
       if(discriminant==0){
           root1= -b/(2*a);
           printf("the roots are real and equal:\n");
           printf("Root 1=Root 2=%.2f\n",root1);
       }else{
           printf("the roots are imaginery.\n");
       }
   }
```

Output

```
enter the coefficients a,b and c:
a:1
b:2
c:1
the roots are real and equal:
Root 1=Root 2=-1.00


=== Code Execution Successful ===
```

main.c

Share Run Output Clear

```c
#include <stdio.h>
#include<math.h>
int main(){
   float a,b,c,discriminant,root1,root2;
   printf("enter the coefficients a,b and c:\n");
   printf("a:");
   scanf("%f",&a);
   printf("b:");
   scanf("%f",&b);
   printf("c:");
   scanf("%f",&c);
   discriminant=b*b-4*a*c;
   if(discriminant>0){
       root1=(-b+sqrt(discriminant))/(2*a);
       root2=(-b-sqrt(discriminant))/(2*a);
       printf("the roots are real and distinct:\n");
       printf("Root 1=%.2f\n",root1);
       printf("Root 2=%.2f\n",root2);
   }else{
       if(discriminant==0){
           root1= -b/(2*a);
           printf("the roots are real and equal:\n");
           printf("Root 1=Root 2=%.2f\n",root1);
       }else{
           printf("the roots are imaginery.\n");
       }
   }
```

```
enter the coefficients a,b and c:
a:2
b:3
c:5
the roots are imaginery.


=== Code Execution Successful ===
```

main.c

Share Run

```c
#include<stdio.h>
int main()
{
    int number;
    printf("enter a number:");
    scanf("%d",&number);
    if(number%2==0){
    if(number%3==0){
    printf("the number is divisible by both 2 and 3:\n");
    }else{
    printf("the number is divisible by 2 but not by 3:\n");
    }
    }else{
    if(number%3==0){
    printf("the number is divisible by 3 but not by 2:\n");
        }else{
    printf("the number is divisible by neither2 nor 3:\n");
    }
    }
    return 0;
}

```

Output Clear

```
enter a number:6
the number is divisible by both 2 and 3:


=== Code Execution Successful ===
```

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main.c

Share Run

```c
#include<stdio.h>
int main()
{
    int number;
    printf("enter a number:");
    scanf("%d",&number);
    if(number%2==0){
    if(number%3==0){
    printf("the number is divisible by both 2 and 3:\n");
    }else{
    printf("the number is divisible by 2 but not by 3:\n");
    }
    }else{
    if(number%3==0){
    printf("the number is divisible by 3 but not by 2:\n");
        }else{
    printf("the number is divisible by neither2 nor 3:\n");
    }
    }
    return 0;
}

```

Output Clear

```
enter a number:15
the number is divisible by 3 but not by 2:


=== Code Execution Successful ===
```

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main.c

Share Run

```c
#include<stdio.h>
int main()
{
  int number;
 printf("enter an integer:");
 scanf("%d",&number);
  if(number%4==0){
 if(number%6==0){
  printf("%d is divisible by both 4 and 6:\n",number);
 }else{
     printf("%d is divisible by 4 but not by 6:\n",number);
 }
  }else{
      if(number%6==0){
    printf("%d is divisible by 6 not by 4:\n",number);
      }else{
         printf("%d is not divisible by either 4 or 6:\n",number);
      }
  }
  return 0;
}
```

Output Clear

```
enter an integer:12
12 is divisible by both 4 and 6:


=== Code Execution Successful ===
```

Programiz
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main.c

Share Run

```c
#include<stdio.h>
int main()
{
  int number;
 printf("enter an integer:");
 scanf("%d",&number);
  if(number%4==0){
 if(number%6==0){
  printf("%d is divisible by both 4 and 6:\n",number);
 }else{
     printf("%d is divisible by 4 but not by 6:\n",number);
 }
  }else{
      if(number%6==0){
    printf("%d is divisible by 6 not by 4:\n",number);
      }else{
         printf("%d is not divisible by either 4 or 6:\n",number);
      }
  }
  return 0;
}
```

Output

Clear

```
enter an integer:28
28 is divisible by 4 but not by 6:


=== Code Execution Successful ===
```