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online compiler and debugger for c/c++
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main.c

```
1  /* *****
2
3      Online C Compiler.
4      Code, Compile, Run and Debug C program online.
5      Write your code in this editor and press "Run" button to compile and execute it.
6
7  ***** */
8
9
10 #include <stdio.h>
11 int main()
12 {
13     int n,f;
14     printf("Enter the number\n");
15     scanf("%d",&n);
16     printf("Factors are:\n");
17     while(n>0)
18     {
19         for(f=1;f<=n;f++)
20         {
21             if(n%f==0)
22                 printf("%d\t",f);
23         }
24         return 0;
25     }
26     return 0;
27 }
```

input

Enter the number
512
Factors are:
1 2 4 8 16 32 64 128 256 512
...Program finished with exit code 0
Press ENTER to exit console

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6
7 *****/
8 #include<stdio.h>
9 #define max 50
10 int main()
11 {
12     int a[max],n,i;
13     printf("Enter the number to convert: ");
14     scanf("%d",&n);
15     for(i=0;n>0;i++)
16     {
17         a[i]=n%2;
18         n=n/2;
19     }
20     printf("\nBinary of Given Number is=");
21     for(i=i-1;i>=0;i--)
22     {
23         printf("%d",a[i]);
24     }
25     return 0;
26 }
```

input


Enter the number to convert: 120

Binary of Given Number is=1111000

...Program finished with exit code 0
Press ENTER to exit console

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main.c

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

```
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5      Write your code in this editor and press "Run" button to compile and execute it.
6
7  //*****
8
9  #include<stdio.h>
10 int main()
11 {
12     int n,i,f;
13     printf("Enter the number\n");
14     scanf("%d",&n);
15     for(i=0;i<=n;i++)
16     {
17         if(i*(i+1)==n)
18         {
19             f=1;
20             break;
21         }
22     }
23     if(f==1)
24         printf("Number is pronic\n");
25     else
26         printf("Enter valid input\n");
27 }
28
```

input

Enter the number
12
Number is pronic

...Program finished with exit code 0
Press ENTER to exit console.

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main.c

Run

Debug

Stop

Share

Save

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Language C

```
1  #include <stdio.h>
2  int iHN(int num)
3  {
4      int rem = 0, sum = 0;
5      while(num > 0)
6      {
7          rem = num%10;
8          sum = sum + (rem*rem);
9          num = num/10;
10     }
11     return sum;
12 }
13
14 int main()
15 {
16     int num;
17     printf("Enter the number\n");
18     scanf("%d",&num);
19     int result = num;
20
21     while(result != 1 && result != 4)
22     {
23         result = iHN(result);
24     }
25     if(result == 1)
26         printf("%d is a happy number", num);
27     else if(result == 4)
28         printf("%d is not a happy number", num);
29
30     return 0;
31 }
```

input

Enter the number

32

32 is a happy number

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main.c

10 #include <stdio.h>
11 int main()
12 {
13 int i, j, num, Prime;
14 printf("Enter any number to print Prime factors: ");
15 scanf("%d", &num);
16 printf("All Prime Factors of %d are: \n", num);
17 for(i=2; i<=num; i++)
18 {
19 if(num%i==0)
20 {
21 Prime = 1;
22 for(j=2; j<=i/2; j++)
23 {
24 if(i%j==0)
25 {
26 Prime = 0;
27 break;
28 }
29 }
30 if(Prime==1)
31 {
32 printf("%d, ", i);
33 }
34 }
35 }
36 return 0;
37 }
38

input
Enter any number to print Prime factors: 48
All Prime Factors of 48 are:
2, 3,
...Program finished with exit code 0
Press ENTER to exit console.

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