

Sample Input: #

172.18.50.116

Output:

```
# # # # #
#       #
#       #
# # # # #
```

Run

Save

```
1. #include<stdio.h>
2. int main()
3. {
4.     int i,j,n;
5.     printf("enter the number of rows to print hollow square");
6.     scanf("%d",&n);
7.     for(i=0;i<=n;i++)
8.     {
9.         for(j=0;j<=n;j++)
10.        {
11.            if(i==0||i==n||j==0||j==n)
12.            {
13.                printf(" # ");
14.            }
15.            else
16.            {
17.                printf("   ");
18.            }
19.        }
20.        printf("\n");
21.    }
22.    return 0;
23. }
```

5

enter the number of rows to  
square # # # # #  
# #  
# #  
# #  
# #  
# # # # #

LG

MENU/L READER/FUNC/AUTO/INPUT/EXIT

CSE/SF/228/CSE/MTR/022



SIMATS C IDE

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Questions  
CEQ25

Write a program to print the number of vowels in the given statement?

Sample Input:  
Saveetha School of Engineering

Sample Output:  
Number o vowels = 12

Test Cases

1. India is my country
2. All are my brothers and sisters
3. Why dry sky
4. Shy Try Cry
5. EDUCATION

Run Save

```
1. #include<stdio.h>
2. int main()
3. {
4.     int c=0,count=0;
5.     char s[1000];
6.     printf("input the string");
7.     gets(s);
8.     while(s[c]!='\0')
9.     {
10.        if(s[c]=='a' || s[c]=='A' || s[c]=='e' || s[c]=='E' || s[c]=='i' || s[c]=='I' || s[c]=='o' || s[c]=='O' || s[c]=='u' || s[c]=='U')
            count++;
        c++;
    }
    printf("numbers ofn vowels in the string:%d",count);
    return 0;
}
```

abcde

input the stringnumbers ofn vowels in the string:2

LG

MENU L READER FUNC AUTO INPUT

SE/SF/228/CSE/MTR/022



Find the number of factors for the given number

Sample Input:

Given number: 100

Sample Output:

Number of factors = 9

1. 343
2. 1080
3. -243
4. 101010
5. 0

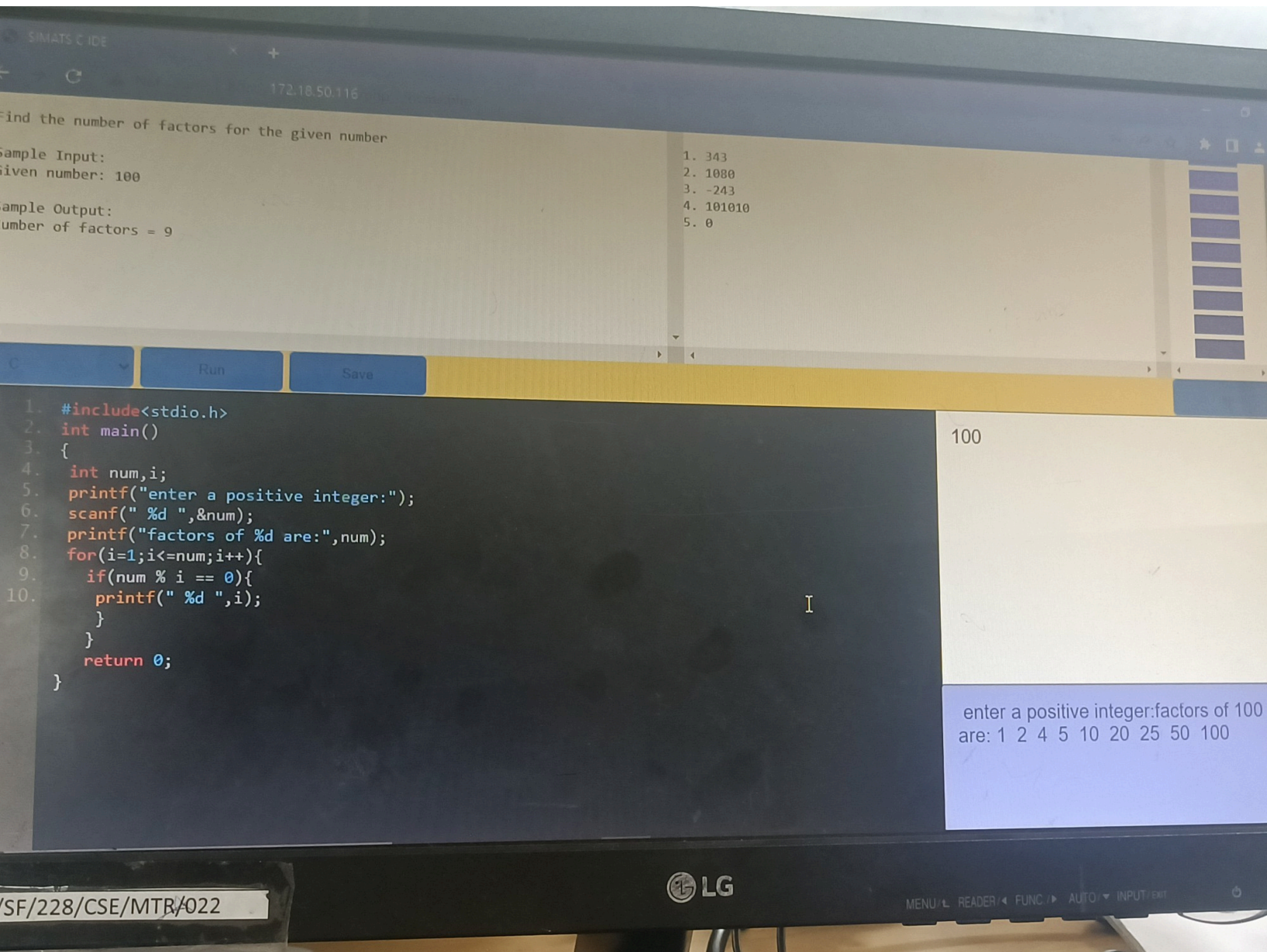
C

Run

Save

```
1. #include<stdio.h>
2. int main()
3. {
4.     int num,rem,sum=0,i;
5.     printf("enter a number");
6.     scanf("%d",&num);
7.     for(i=0;i<num/2;i++)
8.     {
9.         rem=num%i;
10.        if(rem==0)
            {
                sum=sum+i;
            }
        }
    if(sum==num)
    {
        printf("%d is a perfect number");
    }
    else
    {
        printf("\n%d is not a perfect number");
    }
}
```







Write a program to check the entered user name is valid or not. Get both the inputs

Sample Input:  
Enter the user name: Saveetha@789  
Reenter the user name: Saveetha@123

Sample Output:  
User name is Invalid

1. Student@123; Student@123

2. 123456; 12345

3. @#%&^\*; @#%&^\*

4. abcdef\_12; abcdef\_12

```
1. #include<stdio.h>
2. #include<string.h>
3. int main()
4. {
5.     char a[10]="saveetha";
6.     char b[10]="ssesavee";
7.     if(strcmp(a,b)==0)
8.     {
9.         printf("it is valid");
10.    }
    else
    printf("it is not valid");
}
```

Your Input Goes Here....!!!

I

it is not valid

SE/SF/228/CSE/MTR/022



MENU/READER/FUNC/AUTO/INPUT



Questions  
CEQ20.

Find the factorial of n?

Sample Input:  
N = 4

Sample Output:  
4 Factorial = 24

Test Cases

1. N = 0
2. N = -5
3. N = 1
4. N = Q
5. N = 3A

```
1. #include<stdio.h>
2. int main()
3. {
4.     int i,fact=1,number;
5.     printf("enter the number");
6.     scanf("%d",&number);
7.     for(i=1;i<=number;i++)
8.     {
9.         fact=fact*i;
10.    }
    printf("factorial of %d is:%d",number,fact);
    return 0;
}
```

4

Your OUTPUT Goes



MENU/ L READER/ < FUNC/ > AUTO/ >

SSE/SF/228/CSE/MTR/022

Write a program to print the following pattern

Sample Input:

Enter the Character to be printed: %

Max Number of time printed: 3

%

% %

% % %

```
1. #include<stdio.h>
2. int main()
3. {
4.     int rows;
5.     printf("enter the number of rows");
6.     scanf("\n%d",&rows);
7.     for(int i=0;i<rows;i++)
8.     {
9.         for(int j=0;j<=i;j++){
10.            printf("%c");
            }
            printf("\n");
        }
        return 0;
    }
```

3

enter the number of rows #  
# #  
# # #



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```
#include<stdio.h>
void main()
{
    int year,month,date;
    scanf("%d",&date);
    scanf("%d",&month);
    scanf("%d",&year);

    if((date<=31 && date>0) && (month<=12 && month>0) &&(year>0))
    {
        if(year%400==0){
            printf("leap year");
        }
        else if(year%100==0){
            printf("not leap year");
        }
        else if(year %4==0){
            printf("leap year");
        }
        else{
            printf("invalid,enter the correct month , year,date");
        }
    }
}
```

12  
5  
2003

Runtim

I



Embarcadero Dev-C++ 6.3  
Execute Tools AStyle Window Help  
TDM-GCC 9.2.0 64-bit Release  
number.c x class2.c x meanmedianmode.c x %pattern.c x validity.c x factorforgivennumber.c x [\*] Untitled9 x

```
(a[i]==a[j])  
mode++;
```

```
(mode>max)&&(mode!=0))
```

```
0;  
<=mode;  
<]=a[i];  
+;
```

```
e if(mode==max)
```

```
<]=a[i];  
+;
```

```
i=0;i<n;i++)
```

```
a[i]==b[i])
```

```
=n)  
tf("\nThere is no mode");
```

```
ntf("\nMode\t= ");  
(i=0;i<k;i++)  
ntf("%d ",b[i]);
```

Compile Log Debug Find Result

Message

S:\Documents\meanmedian... [Warning]

C:\Users\KAVIYA SASI\Docum x + v

Enter the limit

7

Enter the set of numbers

16

18

27

16

23

21

19

Mean = 20.000000

Median = 19.000000

Mode = 16

-----  
Process exited after 25.15 seconds with return value 0

Press any key to continue . . . |