

Questions
CEQ21.

Write a program to print the following pattern

Sample Input:
Enter the Character to be printed: %
Max Number of time printed: 3
%
% %
% % %

Test Cases

CEQ21

CEQ21

CEQ21

CEQ21

CEQ21

Logout

C

Run

Save

```
1. #include<stdio.h>
2. int main()
3. {
4.     int i,j,rows;
5.     printf("enter the number of rows : \n ");
6.     scanf("%d",&rows);
7.     for (i=1;i<=rows;i++)
8.     {
9.         for(j=1;j<=i;j++){
10.
11.             printf("%c");
12.         }
13.         printf("\n");
14.     }
15.     return 0;
16. }
```

6

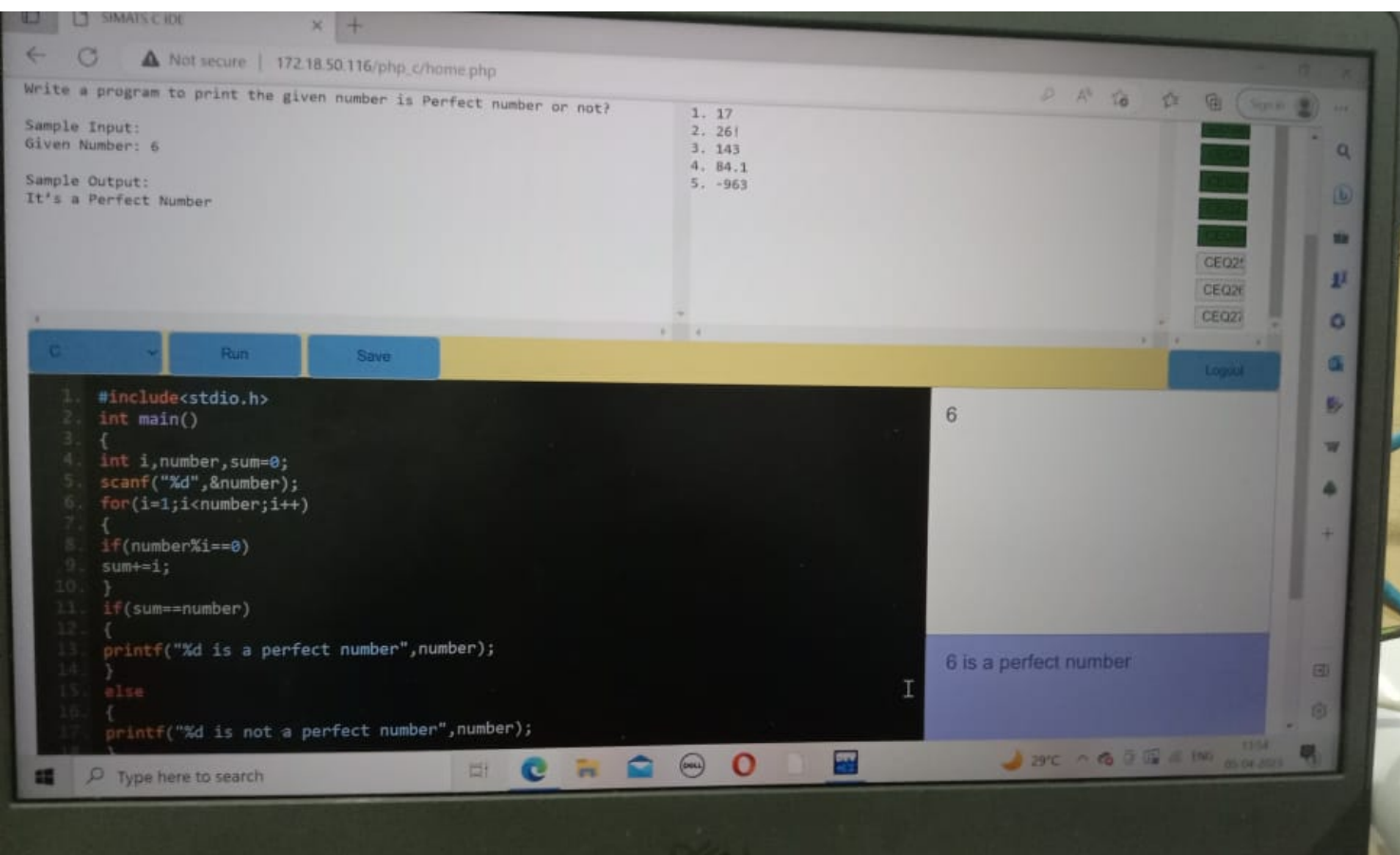
enter the number of rows :
%

Type here to search

29°C

ENG

05/04/2023



Questions
CEQ2.

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

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

Sample Output:
User name is Invalid

test Cases

1. Student@123; Student@123

2. 123456; 12345

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

4. abcdef_12; abcdef_12

C

Run

Save

Logout

```
1. #include<stdio.h>
2. #include<string.h>
3. int main()
4. {
5.     char str1[10],str2[10];
6.     printf("enter the username:\n");
7.     scanf("%s",&str1);
8.     printf("Reenter the username:\n");
9.     scanf("%s",&str2);
10.    if(strcmp(str1,str2)==0){
11.        printf("the username is valid");
12.    }
13.    else{
14.        printf("the username is not invalid");
15.    }
16.    return 0;
17. }
```

saveetha@wert

savrert@12

enter the username:

Reenter the username:

29°C

END

09-04-2023

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

CEQ2

CEQ21

CEQ22

CEQ23

CEQ24

CEQ25

CEQ26

CEQ27

Logout

C Run Save

```
1. #include<stdio.h>
2. int main()
3. {
4.     int i,fact=1,n;
5.     printf("enter the factorial number");
6.     scanf("%d",&n);
7.     for(i=1;i<=n;i++)
8.         fact=fact*i;
9.     printf("%d",fact);
10.    return 0;
11. }
```

6

Type here to search



29°C



10:29
05-04-2021

← ↻ ⚠ Not secure | 172.18.50.116/php_c/home.php

Questions CEQ22.

Find the year of the given date is leap year or not

Sample Input:
Enter Date: 04/11/1947

Sample Output:
Given year is Non Leap Year

Test Cases

1. 04/11/19.47
2. 11/15/1936
3. 31/45/1996
4. 64/09/1947
5. 00/00/2000

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int main(){
3.     int year;
4.     printf("enter the year");
5.     scanf("%d",&year);
6.     if(year % 4 == 0)
7.     {
8.         printf("it is leap year");
9.     }
10.    else
11.    {
12.        printf( "it is a not leap year");
13.    }
14.    return 0;
15. }
```

2012

enter the yearit is leap year



Type here to search



29°C



19:41

05-04-2023

Questions
CEQ23.

Find the number of factors for the given number

Sample Input:
Given number: 100

Sample Output:
Number of factors = 9

Test Cases

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

- CEQ23
- CEQ24
- CEQ25
- CEQ26
- CEQ27

C Run Save Logout

```
1. #include<stdio.h>
2. int main()
3. {
4.     int i,num;
5.     printf("enter any number to find factors");
6.     scanf("%d",&num);
7.     printf("all factors %d :\n",num);
8.     for(i=1;i<=num;i++){
9.         if(num%i == 0)
10.        {
11.            printf("%d, ",i);
12.        }
13.    }
14.    return 0;
15. }
```

100

enter any number to find factorsall
factors 16 :

← ↻ ⚠ Not secure | 172.18.50.116/php_c/home.php

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

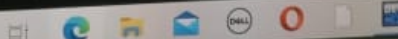
1. India is my country
2. All are my brothers and sisters
3. Why dry sky
4. Shy Try Cry
5. EDUCATION

```
1. #include<stdio.h>
2. #include<string.h>
3. int main()
4. {
5.     char s[100];
6.     int count=0;
7.     printf("enter the sentence:\n");
8.     scanf("%s",&s);
9.     for(int i=0;i<strlen(s);i++){
10.        if(s[i]=='a' || s[i]=='e' || s[i]=='i' || s[i]=='o' || s[i]=='A' || s[i]=='E' || s[i]=='O'
11.        count++;
12.    }
13.    printf("%d",count);
14.    return 0;
15. }
```

werty

enter the sentence:
1

Windows Type here to search



29°C 14:12 25-04-2021

DELL

Write a program to print hollow square symbol pattern?
Get the symbol from user.

```
Output:
# # # # #
#       #
#       #
# # # # #
```

8. (10)

CEQ27

7

```
enter side of squre of square
# # # # # # #
# # # # # # #
```



```

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

```

7

```

enter side of square
# # # # # #
#           #
#           #
#           #
#           #
# # # # # #

```