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Questions

CEQ27.

Write a program to print consonants and vowels separately in the given word.

Sample Input:
Given Word: Engineering

Sample Output:
Consonants: n g n r n g
Vowels: e i e e i

Test Cases

1. TRY
2. MEDIAN
3. ONE
4. KNOWLEDGE
5. EDUCATION

Log out

C

Run

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```
2. #include <string.h>
3. #include <ctype.h>
4.
5. int main() {
6.     char word[100];
7.     int i, vowels = 0, consonants = 0;
8.
9.     printf("Enter a word: ");
10.    scanf("%s", word);
11.
12.    printf("Vowels in the word: ");
13.    for(i=0; i<strlen(word); i++) {
14.        if(tolower(word[i])=='a' || tolower(word[i])=='e' || tolower(word[i])=='i' || tolower(word[i])=='o'
15.            printf("%c ", word[i]);
16.            vowels++;
17.        }
18.    }
19.
20.    printf("\nConsonants in the word: ");
21.    for(i=0; i<strlen(word); i++) {
```

anjanaswathi

Enter a word: Vowels in the word: a a a a i
Consonants in the word: n j n s w t h
Number of vowels in the word: 5
Number of consonants in the word: 7

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Questions

CEQ21

write a program to print the following pattern

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

Test Cases

CEQ19
CEQ20
CEQ21
CEQ22
CEQ23
CEQ24
CEQ25
CEQ26
CEQ27
CEQ28
CEQ29
CEQ30

C

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1. #include<stdio.h>
int main(){
int i,j,k,rows;
printf("enter the number of rows:\n");
scanf("%d",&rows);
for(i=1;i<=rows;i++){
for(j=1;j<=i;j++){
printf("%c%c",
}
printf("\n");
}
return 0;
}

4

enter the number of rows:
%
%%
%%%

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Questions

CEQ2.

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

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. @W\$%^&; @W\$%^*
4. abcdef_12; abcdef_12

C

Run

Save

Login

```
1. #include<stdio.h>
#include<string.h>
int main(){
    char s[50],n[50];
    printf("enter the email: \n");
    scanf("%s",&s);
    printf("reenter the email: \n ");
    scanf("%s",&n);
    if(strcmp(s,n)==0)
        printf("user name is valid");
    else
        printf("user name is invalid");

    return 0;
}
```

saveetha@123
saveetha123

enter the email:
reenter the email:
user name is valid

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192121017

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

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int main(){
3.     int num,i,count=0;
4.     printf("enter a positive integer: ");
5.     scanf("%d",&num);
6.     printf("Factor of %d are :",num);
7.     for(i=1;i<=num;++i){
8.         if(num%i== 0)
9.             count++;
10.    }
11.    printf("%d",count);
12.    return 0;
13. }
```

100

enter a positive integer: factor of 100 are :9

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Questions

CEQ206

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

Sample Input: #

Output:

#

Test Cases

%
&
-
(
)
@

CEQ195
CEQ196
CEQ197
CEQ198
CEQ199
CEQ200
CEQ201
CEQ202
CEQ203
CEQ204
CEQ205
CEQ206
CEQ207
CEQ208
CEQ209
CEQ210

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

6

enter the number of rows:

#

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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

CEQ19

CEQ20

CEQ21

CEQ22

CEQ23

CEQ24

CEQ25

CEQ26

CEQ27

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

India is my country

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write a program to print the given number is Perfect number or not?

Sample Input:
Given Number: 6

Sample Output:
It's a Perfect Number

1. 17
2. 26!
3. 143
4. 84.1
5. -90.1

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int main(){
3.     int i,j,x=0,n;
4.     printf("enter the number: ");
5.     scanf("%d",&n);
6.     for(i=1;i<n;i++){
7.         if(n%i==0){
8.             x=x+i;
9.         }
10.    }
11.    if(x==n)
12.    {
        printf(" it is perfect num ");
    }
    else{
        printf("it is not perfect num ");
    }
    if(n<0){
        for(i=-1;i>n;i--){
            if(n%i==0){
                x=x+i;
            }
        }
    }
}
```

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enter the number: 1 it is perfect num

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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 = 0
5. N = 3A

CEQ19

CEQ20

CEQ21

CEQ22

CEQ23

CEQ24

CEQ25

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int main(){
3.     int i,fact=1,number;
4.     printf("enter the number : ");
5.     scanf("%d",&number);
6.     for(i=1;i<=number;i++){
7.         fact=fact*i;
8.     }
9.     printf("factorial of %d is : %d",number ,fact);
10.    return 0;
11. }
12.
```

0

enter the number : factorial of 0 is : 1

Type here to search

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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

- 04/11/1947
- 11/11/1936
- 11/11/1996
- 04/09/1947
- 00/00/2000

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

2000

enter the year: it is a leap year