

Questions

CEQ43.

Write a program to find the sum of digits of N digit number.

Sample Input:

Enter N value : 3

Enter 3 digit number: 143

Sample Output:

Sum of 3 digit number: 8

Test Cases

1. N = 2, 158
2. N = 3, 14
3. N = 4, 0148
4. N = 1, 0004
5. N = 4, 7263

CEQ41

CEQ42

CEQ43

CEQ44

CEQ45

CEQ5

CEQ6

CEQ7

CEQ8

CEQ9

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int main()
3. {
4.     int n,n1,r=0;
5.     scanf("%d",&n);
6.     while(n!=0)
7.     {
8.         n1=n%10;
9.         r=r+n1;
10.        n=n/10;
11.    }
12.    printf("the sum of %d is %d",n,r);
13.    return 0;
14. }
15.
16.
```

143

<pre>ExecutionFolder/192211151.c: In function 'main': ExecutionFolder/192211151.c:12:34: error:

Questions

CEQ45

Write a program to print inverted pyramid pattern.

Test Cases

- CEQ41
- CEQ42
- CEQ43
- CEQ44
- CEQ45
- CEQ46
- CEQ47
- CEQ48
- CEQ49

C

Run

Save

Logout

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

4

```
 * * * * *
 * * * *
 * * *
 *
```

Find the LCM and GCD of n numbers?

Sample Input:

N value = 2

Number 1 = 16

Number 2 = 20

Sample Output:

LCM = 80

GCD = 4

1. N = 3, {12, 25, 30}
2. N = 2, {52, 25, 63}
3. N = 3, {17, 19, 11}
4. N = -2, {52, 60}
5. N = 2, {30, 45}

- CEQ3
- CEQ4
- CEQ5
- CEQ6
- CEQ7
- CEQ8
- CEQ9

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int gcd(int a, int b){
3.     if (b == 0){
4.         return a;
5.     }
6.     return gcd(b, a % b);
7. }
8. int lcm(int a, int b){
9.     return(a*b)/ gcd(a,b);
10. }
11. int main(){
12.     int n;
13.     printf("enter the number of elements");
14.     scanf("%d",&n);
15.     int arr[n];
16.     printf("enter %d elements",n);
17.     for(int i =0; i<n; i++){
18.         scanf("%d",&arr[i]);
19.     }
20.     int gcdval = arr[0];
21.     int lcmval = arr[0];
22.     for(int i=1; i<n; i++){
23.         gcdval = gcd(gcdval,arr[i]);
24.         lcmval = lcm(lcmval,arr[i]);
25.     }
26.     printf("gcd of the given number is %d\n",gcdval);
```

16
20

Loading

Questions

CEQ41

Write a program that accepts a string from user and displays the same string after removing vowels from it.

Sample Input & Output:

Enter a string: we can play the game

The string without vowels is: w cn ply thgm

Test Cases

CEQ41

CEQ42

CEQ43

CEQ44

CEQ45

CEQ46

CEQ47

CEQ48

CEQ49

C

Run

Save

Logout

```
1. #include<stdio.h>
2. #include<string.h>
3. int main(){
4. char str[100];
5. int i,j, len = 0;
6. printf("enter the string");
7. scanf("%s",str);
8. len = strlen(str);
9. for(i = 0; i < len; i++){
10. if(str[i]=='a' || str[i]=='e' || str[i]=='i' || str[i]=='o' || str[i]=='u' ||
11. str[i]=='A' || str[i]=='E' || str[i]=='I' || str[i]=='O' || str[i]=='U'){
12. for(j=i;j<len;j++){
13. str[j]=str[j+1];
14. }
15. i--;
16. len--;
17. }
18. str[len + 1] = '\0';
19. }
20. printf("after deleting the vowel will be %s",str);
21. return 0;
22. }
23.
```

we can play the game

enter the stringafter deleting the vowel will be w

Questions
EQ42

Write a program to print hollow Rectangle Dollar pattern?

Test Cases

CEQ41
CEQ42
CEQ43
CEQ44
CEQ45
CEQ46
CEQ47
CEQ48
CEQ49

C Run Save

Logout

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

5
4

enter rows and columns of rectangle
& & & &
& &
& &
& &
& & & &

Questions

CEQ43

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CEQ41

CEQ42

CEQ43

CEQ44

CEQ45

CEQ6

CEQ6

CEQ7

CEQ8

CEQ9

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int main()
3. {
4.     int sum=0;
5.     int num=143;
6.     while(num!=0)
7.     {
8.         sum+=num%10;
9.         num=num/10;
10.    }
11.    printf("\n sum:%d",sum);
12.    return 0;
13. }
14.
15.
16.
17.
18.
19.
20.
21.
22.
23.
```

Your Input Goes Here...!!!

sum:8

CEQ44

Write a program to find the square root of a perfect square number(print both the positive and negative v

Sample Input:
Enter the number : 6561

Sample Output:
Square Root: 81, -81

1. 1225
2. 9801
3. 1827
4. -100
5. 0

CEQ41
CEQ42
CEQ43
CEQ44
CEQ45
CEQ46
CEQ47
CEQ48
CEQ49

Logout

C Run Save

```
1. #include<stdio.h>
2. #include<math.h>
3. int main(){
4.     int num;
5.     printf("enter the number:");
6.     scanf("%d",&num);
7.     int root = sqrt(num);
8.     if(root * root == num){
9.         printf("square root of %d is %d\n",num,root);
10.        printf("negative square root of %d is %d\n",num,-root);
11.    }
12.    else{
13.        printf("%d is not perfect square \n",num);
14.    }
15.    return 0;
16. }
```

6561

enter the number:square root of 6561 is 81
negative square root of 6561 is -81