

Questions
CEQ45.

Write a program to print inverted pyramid pattern.

Test Cases

CEQ37
CEQ38
CEQ39
CEQ4
CEQ40
CEQ41
CEQ42
CEQ43
CEQ44
CEQ45

C

Run

Save

[Logout](#)

```
1. #include<stdio.h>
2. int main()
3. {
4.     int i,j,k,n=5;
5.     for(i=1;i<=n;i++)
6.     {
7.         for(j=0;j<=i;j++)
8.         {
9.             printf(" ");
10.        }
11.        for(k=5;k>=i;k--)
12.        {
13.            printf("* ");
14.        }
15.        printf("\n");
16.    }
17.    return 0;
18. }
```

5

夫 夫 夫 夫 夫
夫 夫 夫 夫
夫 夫 夫
夫 夫
夫

55555 4444 333 22 1 - Codeogra x

SIMATS C IDE x +

Not secure | 172.18.49.21/php_c/home.php

Gmail YouTube Maps

SIMATS

Saveetha School of Engineering

LAKSHMANAN G
192224055

Questions
CEQ44.

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

Sample Input:
Enter the number : 6561

Sample Output:
Square Root: 81, -81

Test Cases

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

CEQ37
CEQ38
CEQ39
CEQ4
CEQ40
CEQ41
CEQ42
CEQ43
CEQ44
CEQ45

C

Run

Save

Logout

```
1. #include <stdio.h>
2. #include <math.h>
3. int main()
4. {
5.     int a,b;
6.     scanf("%d",&a);
7.     b=sqrt(a);
8.     printf("\nthe positive root is= %d",b);
9.     printf("\nthe negative root is= -%d",b);
10.    return 0;
11. }
```

6561

the positive root is=9
the negative root is=-9

Search

14:56
06-04-2023

55555 4444 333 22 1 – Codeogra x

SIMATS C IDE x +

Not secure | 172.18.49.21/php_c/home.php

Gmail YouTube Maps

SIMATS

Saveetha School of Engineering

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

LAKSHMANAN G
192224055

CEQ37
CEQ38
CEQ39
CEQ4
CEQ40
CEQ41
CEQ42
CEQ43
CEQ44
CEQ45

C

Run

Save

Logout

1. #include <stdio.h>
2. int main()
3. {
4. int a,b,c,d,e,f,g,h,i,sum;
5. scanf("%d",&a);
6. b=a/10;
7. c=a%10;
8. d=b/10;
9. e=b%10;
10. f=d/10;
11. g=d%10;
12. h=f/10;
13. i=f%10;
14. sum=c+t+g+h+i;
15. printf("%d",sum);
16. return 0;
17. }

7263

8

Search

14:56
06-04-2023

Questions
CEQ42.

Write a program to print hollow Rectangle Dollar pattern?

Test Cases

CEQ37

CEQ38

CEQ39

CEQ4

CEQ40

CEQ41

CEQ42

CEQ43

CEQ44

CEQ45

C

Run

Save

[Logout](#)

```

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

```

4

")

\$\$\$\$
 \$ \$
 \$ \$
 \$\$\$\$

55555 4444 333 22 1 – Codeogra x

SIMATS C IDE x +

Not secure | 172.18.49.21/php_c/home.php

Gmail YouTube Maps

SIMATS

Saveetha School of Engineering

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

LAKSHMANAN G
192224055

CEQ37
CEQ38
CEQ39
CEQ4
CEQ40
CEQ41
CEQ42
CEQ43
CEQ44
CEQ45

C Run Save Logout

```
1. #include<stdio.h>
int main()
{
    char c[200],c1[200];
    int t=0,i,j;
    gets(c);
    for(i=0,j=0;c[i]!='\0';i++)
    {
        if(c[i]!='a' || c[i]!='e' || c[i]!='i' || c[i]!='o' || c[i]!='u');
        else
        {
            c1[j++]=c[i];
        }
    }
    printf("\nstring after removing vowels:%s",c1);
}
```

we can play and fly

string after removing vowels:w cn ply nd fly

Search

14:55
06-04-2023

55555 4444 333 22 1 – Codeogre x

SIMATS C IDE x +

Not secure | 172.18.49.21/php_c/home.php

Gmail YouTube Maps

SIMATS

Saveetha School of Engineering

LAKSHMANAN G
192224055

Questions
CEQ4.

Write a program to find whether the person is eligible for vote or not. And if that particular person is not eligible, then print how many year

Sample Input:
Enter your age:7

Sample output:
You are allowed to vote after 11 years

Test Cases

1. 25
2. Eighteen
3. 12
4. -18
5. 34.5

CEQ37
CEQ38
CEQ39
CEQ4
CEQ40
CEQ41
CEQ42
CEQ43
CEQ44
CEQ45

C Run Save Logout

```
1. #include <stdio.h>
int main()
{
    int age;
    scanf("%d",&age);
    if(age<18)
    {
        printf("\n you are not eligible for voting");
    }
    else
    {
        printf("\n you are eligible for voting");
    }
    return 0;
}
```

19

you are not eligible for voting

Search

14:54
06-04-2023

55555 4444 333 22 1 - Codeogra x

SIMATS C IDE x +

Not secure | 172.18.49.21/php_c/home.php

Gmail YouTube Maps

SIMATS

Saveetha School of Engineering

Questions

CEQ39.

Program to find whether the given number is Armstrong number or not

Sample Input:
Enter number : 153

Sample Output:
Given number is Armstrong number

Test Cases

1. 370
2. 1
3. 371
4. 145678
5. 0.21345

LAKSHMANAN G
192224055

CEQ37
CEQ38
CEQ39
CEQ4
CEQ40
CEQ41
CEQ42
CEQ43
CEQ44
CEQ45

C Run Save Logout

```
1. #include<stdio.h>
int main()
{
    int num,org_num,rem,res=0;
    scanf("%d",&num);
    org_num=num;

    while(org_num!=0)
    {
        rem=org_num%10;
        res+=rem*rem*rem;
        org_num/=10;
    }
    if(res==num)
        printf("%d is an armstrong number",num);
    else
        printf("%d is not an armstrong number",num);
    return 0;
}
```

153

153 is an armstrong number

Search

14:53
06-04-2023

55555 4444 333 22 1 – Codeogra x

SIMATS C IDE x +

Not secure | 172.18.49.21/php_c/home.php

Gmail YouTube Maps

SIMATS

Saveetha School of Engineering

Questions

CEQ37.

Write a program that finds whether a given character is present in a string or not. In case it is present it prints the index at which it is present. Do not use built-in find functions to search the character.

Sample Input:
Enter the string: I am a programmer
Enter the character to be searched: p

Sample Output:
P is found in string at index: 8

Note: Check for non-available Character in the given statement as Hidden Test case.

Test Cases

LAKSHMANAN G
192224055

CEQ37

CEQ38

CEQ39

CEQ4

CEQ40

CEQ41

CEQ42

CEQ43

CEQ44

CEQ45

C

Run

Save

Logout

```
1. #include <stdio.h>
#include <string.h>
int main()
{
char a,word[50];
int i,freq=0,flag=0;

scanf("%s",word);

scanf("%c",&a);
printf("\npositions of '%c' in '%s' are:",a,word);
for(i=0;i<strlen(word);i++)
{
if(word[i]==a)
{
flag=1;
printf("%d",i+1);
freq++;
}
}
if(flag)
{
printf("\n char '%c' occured for '%d'times.\n",a,freq);
}
else
{
printf("none\n");
}
return 0;
}
```

lakshmanan
s

positions of '
' in 'lakshmanan' are:none

Search

14:53
06-04-2023