

Problem no : 2302056\_01

Problem Name : Print name, DOB, and mobile number

Input :

```
#include<stdio.h>

int main()
{
    printf("Name : Alexandra Abramov\n");
    printf("DOB : July 14, 1975\n");
    printf("Mobile : 99-9999999999\n");
    return 0;
}
```

Output :

```
Name : Alexandra Abramov
DOB : July 14, 1975
Mobile : 99-9999999999
```

Problem No : 2302056\_02

Problem Name : Write a C program to get the C version you are using.

Input :

```

#include <stdio.h>

int main(int argc, char** argv) {
    ... // Check for C standard version
    ... #if __STDC_VERSION__ >= 201710L
        ... printf("We are using C18!\n");
    ... #elif __STDC_VERSION__ >= 201112L
        ... printf("We are using C11!\n");
    ... #elif __STDC_VERSION__ >= 199901L
        ... printf("We are using C99!\n");
    ... #else
        ... printf("We are using C89/C90!\n");
    ... #endif

    ... // Indicate successful execution
    ... return 0;
}

```

Output :

```
We are using C18!
```

Problem No : 2302056\_03

Problem Name : Write a C program to print a block F using the hash (#), where the F has a height of six characters and width of five and four characters. And also print a very large 'C'.

Input :

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
···printf("#####\n");
```

```
···printf("#\n");
```

```
···printf("#\n");
```

```
···printf("####\n");
```

```
···printf("#\n");
```

```
···printf("#\n");
```

```
···printf("\n\n\n\n");
```

```
···printf("···#####\n");
```

```
···printf("···##·····##\n");
```

```
···printf("#\n");
```

```
···printf("#\n");
```

```
···printf("#\n");
```

```
···printf("#\n");
```

```
···printf("#\n");
```

```
···printf("···##·····##\n");
```

```
···printf("···#####\n");
```

```
...return 0;  
}
```

Output :

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

Problem No : 2302056\_04

Problem Name : Write a C program to print the following characters in reverse.

Test Characters: 'X', 'M', 'L'

Input :

```
#include<stdio.h>

int main()
{
    char char1,char2,char3;
    char1='X';
    char2='M';
    char3='L';
    printf("The reverse of %c%c%c is %c%c%c\n",char1,char2,char3,char3,char2,char1);
    return 0;
}
```

Output :

```
The reverse of XML is LMX
```

Problem No : 2302056\_05

Problem Name : Write a C program to compute the perimeter and area of a rectangle with a height of 7 inches and width of 5 inches.

```

#include<stdio.h>

int main()
{
    ...int area,perimeter,a,b;
    ...printf("Enter the height of the rectangle :");
    ...scanf("%d",&a);
    ...printf("Enter the width of the rectangle :");
    ...scanf("%d",&b);
    ...perimeter=2*(a+b);
    ...area=a*b;
    ...printf("The Perimeter of the rectangle is :%d\n",perimeter);
    ...printf("The Area of the rectangle is :%d\n",area);
    ...return 0;
}

```

Output :

```

Enter the height of the rectangle :7
Enter the width of the rectangle :5
The Perimeter of the rectangle is :24
The Area of the rectangle is :35

```

Problem No : 2302056\_06

Problem Name : Write a C program to compute the perimeter and area of a circle with a given radius.

Input :

```

#include<stdio.h>

#include<math.h>

#define PI 3.1416

int main()
{
    ...int r;
    ...float area,perimeter;
    ...printf("Enter the radius of the Circle :");
    ...scanf("%d",&r);
    ...perimeter= 2*PI*r;
    ...area=PI*pow(r,2);
    ...printf("The Perimeter of the Circle is :%f\n",perimeter);
    ...printf("The Area of the Circle is :%f",area);
    ...return 0;
}

```

Output :

```

Enter the radius of the Circle :4
The Perimeter of the Circle is :25.132799
The Area of the Circle is :50.265598

```