

C Programs

Print the day of the week using switch statement

```
#include <stdio.h>
int main()
{
    int num;
    printf("Enter the number between 1-7: ");
    scanf("%d",&num);

    switch(num)
    {
        case 1: printf("\nMonday");
        break;
        case 2: Printf("\nTuesday");
        break;
        case 3: printf("\nWednesday");
        break;
        case 4: printf("\nThursday");
        break;
        case 5: printf("\nFriday");
        break;
        case 6: printf("\nSaturday");
        break;
        case 7: printf("\nSunday");
        break;
    }
    return = 0;
}
```

Output:
Enter the number between 1-7: 5
Friday

C Programs

Check if the number is Even, Odd or Zero

```
#include <stdio.h>
int main()
{
    int num;
    printf("\nEnter Number: ");
    scanf("%d",&num);

    if (num==0)
        printf("\nThe number is zero");
    if (num%2==0)
        printf("\nThe number is even");
    if (num%2!=0)
        printf("\nThe number is odd");
}
```

Output:

Enter Number:
8

The number is even

C Programs

Find out the perfect number code:

```
#include <stdio.h>
int main()
{
    int n,i=1,sum=0;
    printf("Enter a number: ");
    scanf("%d",&n);
    while(i<n)
    {
        if(n%i==0)
            sum=sum+i;
        i++;
    }
    if (sum==n)
        printf("%d is a perfect number",i);
    else
        printf("%d is not a perfect number",i);

    return 0;
}
```

Output:

Enter a number: 6
6 is a perfect number

Enter a number: 8
8 is not a perfect number

C Programs

Find largest among 3 numbers using conditional operator

```
#include <stdio.h>
int main()
{
    int a,b,c,big;
    printf("\nEnter 3 numbers: ");
    scanf("%d %d %d",&a,&b,&c);
    big=(a>b&&a>c?a:b>c?b:c);
    printf("\nThe biggest number is: %d,big");
    return 0;
}
```

Output:

Enter 3 numbers: 10 9 8
The biggest number is: a

Enter 3 numbers: 100 150 89
The biggest number is: b

Enter 3 numbers: 200 345 543
The biggest number is: c

C Programs

Print Pattern using nested loop

```
#include <stdio.h>
int main()
{
    int x,m;
    for(x=1;x<=5;x++)
    {
        for(m=1;m<=x;m++)
        {
            printf("%d",m);
        }
        printf("\n");
    }
    return 0;
}
```

Output:

```
1
12
123
1234
12345
```

C Programs

Print 1 to 100

```
#include <stdio.h>
int main()
{
    int num = 1;
    print (num);
    return 0;
}

int print (num)
{
    if (num < 100)
    {
        printf("%d", num);
        print(num + 1);
    }
}
```

Output:

```
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35
36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67
68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83
84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99
100
```


C Programs

Subtract 2 numbers in c without using operator

```
#include <stdio.h>
int main()
{
    int a,b;
    int sum;
    printf("Enter any 2 integers: ");
    scanf("%d %d",&a,&b);
    sum = a+ ~b + 1;
    printf("Difference of two integers: %d",sum);
    return 0;
}
```

Output:

Enter any two integers: 5 4
Difference of two integers: 1

C Programs

Find out sum of digit of given number:

```
#include<stdio.h>
int main()
{
    int num,sum=0,r;
    printf("Enter a number");
    scanf("%d",&num);
    while(num)
    {
        r=num%10;
        num=num/10;
        sum=sum+r;
    }
    printf("Sum of digits of number: %d",sum);
    return=0;
}
```

Output:

Enter a number: 123
Sum of digits of number: 6

C Programs

Add 2 numbers in c without using operator

```
#include <stdio.h>
int main()
{
    int a,b;
    int sum;
    printf("Enter any 2 integers: ");
    scanf("%d %d",&a,&b);
    //sum = a - (-b);
    sum = a - ~b-1;
    printf("Sum of two integers: %d",sum);
    return 0;
}
```

Output:

Enter any two integers: 5 10
Sum of two integers: 15