

Ques-1

Write a C to take the value from the user as input the month number and print number of days in that month. Using switch statement.

// Online C compiler to run C program online

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

```
int main() {
```

```
    int month;
```

```
    printf("enter the month:");
```

```
    scanf("%d",&month);
```

```
    switch(month)
```

```
    {
```

```
        case 4:
```

```
            printf("30 days");
```

```
            break;
```

```
        case 6:
```

```
            printf("30 days");
```

```
            break;
```

```
        case 9:
```

```
    printf("30 days");  
    break;  
    case 11:  
    printf("30 days");  
    break;  
    case 2:  
    printf("28 or 29 days");  
    break;  
  
    default : printf("31 days");  
    break;  
}  
return 0;  
}
```

Or

// Online C compiler to run C program online

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

```
int main() {
```

```
    int month;
```

```
    printf("enter the month:");
```

```
scanf("%d",&month);
switch(month)
{
    case 4:
    case 6:
    case 9:
    case 11:
        printf("30 days");
        break;
    case 2:
        printf("28 or 29 days");
        break;
    default: printf("31 days");
        break;
}
return 0;
}
```

Ques-2

Write a C program to check wheather a Alphbet is vowel or consonant using Switch Case.

// Online C compiler to run C program online

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

```
int main() {
```

```
    char alphabet;
```

```
    printf("enter the alphabet:");
```

```
    scanf("%c",&alphabet);
```

```
    switch(alphabet)
```

```
    {
```

```
        case 'A':
```

```
            printf("vowel");
```

```
            break;
```

```
        case 'E':
```

```
            printf("vowel");
```

```
            break;
```

```
        case 'I':
```

```
            printf("vowel");
```

```
            break;
```

```
        case 'O':
```

```
            printf("vowel");
```

```
break;

case 'U':
printf("vowel");
break;

case 'a':
printf("vowel");
break;

case 'e':
printf("vowel");
break;

case 'i':
printf("vowel");
break;

case 'o':
printf("vowel");
break;

case 'u':
printf("vowel");
break;


default : printf("consonant");
break;
}
```

```
    return 0;  
}
```

Ques-3

Write a C program to find the maximum between two numbers using Switch statement.

// Online C compiler to run C program online

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

```
int main() {
```

```
    int a,b;
```

```
    printf("enter the values of a and b:");
```

```
    scanf("%d%d",&a,&b);
```

```
    switch((a>b)-(a<b))
```

```
{
```

```
    case 0:
```

```
        printf("both are equal");
```

```
        break;
```

```
    case 1:
```

```
        printf("a is big");
```

```
        break;

        default:

        printf("b is big");

        break;

    }

    return 0;

}
```

Ques-4

Write a C program to check the number is even or odd by using Switch Case.

// Online C compiler to run C program online

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

```
int main() {
```

```
    int n;
```

```
    printf("enter the number:");
```

```
    scanf("%d",&n);
```

```
    switch(n%2)
```

```
{
    case 0:
        printf("even");
        break;
    case 1:
        printf("odd");
        break;

}
return 0;
}
```

Ques-5

Write a C program to do a arithmetic operation on two numbers by using Switch Case. Take the operators(+,-,*,/,%) as cases and take the input from the user that what kind of operation user want to do on two number.

Input as:

Enter num1 :10

Enter num2 :20

Enter operation : *

// Online C compiler to run C program online

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

```
int main() {
```

```
    int a,b;
```

```
    char ch;
```

```
    printf("enter the values of a and b:");
```

```
    scanf("%d%d",&a,&b);
```

```
    printf("enter operation:");
```

```
    scanf("%c",&ch);
```

```
    switch(ch)
```

```
    {
```

```
    case '+':
```

```
        printf("the sum of two numbers is:%d",a+b);
```

```
        break;
```

```
    case '-':
```

```
        printf("the sub of two numbers is:%d",a-b);
```

```
        break;
```

```
    case '*':
```

```
        printf("the mul of two numbers is:%d",a*b);
```

```

break;

case '/':

printf("the div of two numbers is:%d",a/b);

break;

case '%':

printf("the mod of two numbers is:%d",a%b);

break;


    }

return 0;

}

```

O/P as :

Multiplication is :200

Ques-6

**Using switch statement write a C Program to take the value from the user as input marks of five subjects Physics, Chemistry, Biology, Mathematics, and Computer. Calculate percentage and grade according to the following:
 Percentage >= 90% : Grade A, Percentage >= 80% : Grade B, Percentage >= 70% : Grade C, Percentage >= 60% : Grade D, Percentage >= 40% : Grade E, Percentage < 40% : Grade F, Using switch statement.**

[Note:-Take All the values as Integer]

```
#include<stdio.h>

int main()
{
    int s1,s2,s3,s4,s5,totm,per,Grade;

    printf("enter marks for physics:");
    scanf("%d",&s1);
    printf("enter marks for chemistry:");
    scanf("%d",&s2);
    printf("enter marks for Bilology:");
    scanf("%d",&s3);
    printf("enter marks for Mathematics:");
    scanf("%d",&s4);
    printf("enter marks for computer science:");
    scanf("%d",&s5);
    totm=s1+s2+s3+s4+s5;
    printf("total marks=%d/500\n",totm);
    per=totm*100/500;
    printf("percentage =%.d\n",per);
```

```
switch(per/10) {  
    case 10:  
    case 9:  
        printf("Grade A\n");  
        break;  
    case 8:  
        printf("Grade B\n");  
        break;  
    case 7:  
        printf("Grade C\n");  
        break;  
    case 6:  
        printf("Grade D\n");  
        break;  
    case 5:  
        printf("Grade E\n");  
        break;  
    default:  
        printf("Grade F\n");  
        break;  
}  
  
return 0;
```

}