

SAINI TECHNOLOGIES



ADVANCED C PROGRAMMING WITH SAINI TECHNOLOGIES

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Use of Goto and Label in Division of integer No.

```
void main()
{
int a,b,c;
clrscr();
printf("Enter the a value");
scanf("%d",&a);
printf("Enter the b value");
scanf("%d",&b);
if(b!=0)
{
dv:
c=a/b;
printf("the Division is %d",c);
}
else
if(b==0)
{
er:
printf("\nDivide by Zero Error");
printf("\n Enter the b value again");
scanf("%d",&b);
goto dv;
}
getch();
}
```

Enter the a value 12
Enter the b value 2
The Result is 6

Use of Switch Case in calculator

```
void main()
{
int a,b,c,ch;
clrscr();
printf("Enter the a value");
scanf("%d",&a);
printf("Enter the b value");
scanf("%d",&b);
printf("\n [1] Add");
printf("\n [2] Subt");
printf("\n [3] Div");
printf("\n [4] Multi");
printf("\n Enter your choice");
scanf("%d",&ch);
switch(ch)
{
case 1:
c=a+b;
```

```

        printf("The Sum is %d",c);
        break;
    case 2:
        c=a-b;
        printf("The Subt is %d",c);
        break;
    case 3:
        c=a/b;
        printf("The Div is %d",c);
        break;
    case 4:
        c=a*b;
        printf("The multi is %d",c);
        break;

    default:
        printf("Sorry Wrong choice");
        break;
}
getch();
}

```

```

Enter the value of a 34
Enter the value of b 2
Enter your choice 1
The sum is 36

```

Use of Switch Case in calculator with char option

```

void main()
{
    int a,b,c;
    char ch;
    clrscr();
    printf("Enter the a value");
    scanf("%d",&a);
    printf("Enter the b value");
    scanf("%d",&b);
    printf("\n [+] Add");
    printf("\n [-] Subt");
    printf("\n [/] Div");
    printf("\n [*] Multi");
    printf("\n Enter your choice");
    scanf(" %c",&ch);
    switch(ch)
    {
        case '+':
            c=a+b;

```

```

        printf("The Sum is %d",c);
        break;
    case '-':
        c=a-b;
        printf("The Subt is %d",c);
        break;
    case '/':
        c=a/b;
        printf("The Div is %d",c);
        break;
    case '*':
        c=a*b;
        printf("The multi is %d",c);
        break;

    default:
        printf("Sorry Wrong choice");
        break;
}
getch();
}

```

Enter the value of a 34
Enter the value of b 2
Enter your choice +
The sum is 36

Switch Case with infinite loop for execution

```

void main()
{
int a,b,c;
char ch;
clrscr();
printf("Enter the a value");
scanf("%d",&a);
printf("Enter the b value");
scanf("%d",&b);
while(1)
{
getch();
clrscr();
printf("\n [+] Add");
printf("\n [-] Subt");
printf("\n [/] Div");
printf("\n [*] Multi");
printf("\n [x] Exit");
printf("\n Enter your choice");
scanf(" %c",&ch);
switch(ch)
{

```

```
case '+':
    c=a+b;
    printf("The Sum is %d",c);
    break;
case '-':
    c=a-b;
    printf("The Subt is %d",c);
    break;
case '/':
    c=a/b;
    printf("The Div is %d",c);
    break;
case '*':
    c=a*b;
    printf("The multi is %d",c);
    break;
case 'x':
    exit(0);

default:
    printf("Sorry Wrong choice");
    break;
}}
getch();
}
```

