SWITCH - CASE :-

→ main ( )
{ int n;
   printf ("enter n ");
   scanf ("%d", &n);
   switch (n)
   {
      case 1: printf (" one "); break;
      case 2: printf (" two "); break;
      case 3: printf (" three "); break;
      case 4: printf (" Four "); break;
      default: printf (" 5 or above ");
   }
}

→ main ( )
{
   int n;
   printf (" Enter the week day number from 1-7: ");
   scanf ("%d", &n);
   switch (n)
   {
      case 1: printf (" Monday "); break;
      case 2: printf (" Tuesday "); break;
      case 3: printf (" Wednesday "); break;
      case 4: printf (" Thursday "); break;
      case 5: printf (" Friday "); break;
      case 6: printf (" Saturday "); break;
      case 7: printf (" Sunday "); break;
      default: printf (" Invalid number ");
   }
}

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```c
-> int main()
{
    int ch;
    float a, b, c;
    printf (" Enter a: ");
    scanf (" %f", &a);
    printf (" Enter b: ");
    scanf (" %f", &b);
    printf (" 1- Addition \n");
    printf (" 2- Subtraction \n");
    printf (" 3- Multiplication \n");
    printf (" 4 - Division \n");
    printf (" Enter your choice : ");
    scanf (" %d ", &ch);

    switch (ch)
    {
        case 1: c = a + b;
            printf (" Addition is : %f \n", c);
            break;
        case 2: c = a - b;
            printf (" Subtraction is : %f \n", c);
            break;
        case 3: c = a * b;
            printf (" Multiplication is : %f \n", c);
            break;
```

```c
case 4:
    if (b! = 0)
    {
        c = a / b;
        printf ("Divisionis : %f \n", c);
    }
    else
    {
        printf ("Dr cannot be zero: %f \n", c);
    }
    break;
default: printf ("Invalid choice \n");
    }
}
```

NOTE:- Case constants must be integers / characters only

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

main ()
{
    int a, b, c;
    char ch;
    printf ("enter a, b");
    scanf ("%d %d", &a, &b);
    fflush (stdin);

    printf (" enter + for add - for sub * for mul / for div");
    scanf ("%c", &ch);

    switch ( ch )
    {
        case '+' : printf ("%d", a+b); break;
        case '-' : printf ("%d", a-b); break;
```

c 5
6
+
+

+ → ∼ —
- -> /

↓

```c
        case '*': printf ("%d", a*b); break;
        case '/': printf ("%d", a/b); break;
        default: printf ("enter + or - or * or / only");
    }

}
```

Scanf ("%d %d", &a, &b);
    for (; ;)
    {
        fflush (stdin)
        printf

        switch (ch)
        {

        }
    }
}
```

LOOP CONTINUES

else-if :-

-> int main ()
{
        float int a, b, c; choice;
        char ch;
        printf ("enter a, b");
        scanf ("%d %d", &a, &b);
        printf ("1- Addition \n");
        printf ("2- Subtraction \n");
        printf ("3- Multiplication \n");
        printf ("4 - Division \n");

```c
printf ("Enter your choice: ");
scanf ("%d", &choice);
if (choice == '+')
{
    c = a + b;
    printf ("Addition is: %d\n", c);
} elsef
    elseif (choice == '-')
    {
        c = a - b;
        printf ("subtraction is: %d\n", c);
    }
    elseif (choice == '*')
    {
        c = a * b;
        printf ("Multiplication is %d\n", c);
    }
    elseif (choice == '/')
    {
        c = a / b;
        printf ("Division is %d\n", c);
    }
    else
    {
        printf ("INVALID CHOICE");
    }
}
```