ASSIGNMENT: OPERATOR

1. BITWISE OPERATOR: The operators that are used to manipulate the bits of a given data are called bitwise operators.

BITWISE OPERATORS (description) Operators

1. left shift <<

2. right shift >>

3. Bit-wise and &

4. Bit-wise or |

Example:

#include<stdio.h>

void main()

{ int a,b,c:

a= 10;

b=6;

c= a&b;

printf(“%d & %d=%d\n”,a,b,c);

}

2. TERNARY OPERATOR: They are also called conditional operator. The operator that operator.

Syntax

(exp1)? exp2 : exp3;

Example:

#include<stdio.h>

void main()

{ int a,b,big;

printf(“Enter the value of a and b\n”);

scanf(“%d %d”,&a,&b);

big= (a>b)?a:b;

printf(“big=%d”,big);

}

Task 2; calculator

#include <stdio.h>

int main() {

char operator;

int a,b;

printf("Enter an operator (+, -, \*,): ");

scanf("%c", &operator);

a=4;

b=5;

switch (operator) {

case '+':

printf("%d=%d+%d", a, b,a+b);

break;

case '-':

printf("%d - %d = %d",a,b,a-b);

break;

case '\*':

printf("%d\* %d = %d", a, b, a \* b);

break;

case '/':

printf("%d/ %d = %d",a, b, a / b);

break;

// operator doesn't match any case constant

default:

printf("Error! operator is not correct");

}

return 0;

}

//output: sum=9

Difference =-1