



ASSIGNMENT

1. Write a program to Accept two numbers and
 - a. find its sum.
 - b. find its difference.
 - c. find its product.

Test the program using different integral data type signed/unsigned char/int/long.

First test the result using small values. Then test the same program using large values.

Observe the results.

2. Write a program to accept a number and print the number in character, decimal, octal and hex formats.

3. Write a program to print following pattern.
 - a. Using multiple printf statements
 - b. Using single printf statement

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TWISTERS

1. #include <stdio.h>

int main(void)

{

printf("\n ans1=%d ans2=%x ans3=%o", 064,064,064);

return 0;

}

A. ans1=52 ans2=34 ans3=64

B. ans1=52 ans2=52 ans3=64

C. ans1=52 ans2=64 ans3=34

D. ans1=34 ans2=52 ans3=64

Answer : A

2. #include<stdio.h>

int main(void)

{

char num1='A';

short int ch=101;

double num2=10.24;

int value =sizeof(num1)+sizeof(ch)+sizeof(num2);

printf("value=%-8d", value);

int Value =sizeof(1)+sizeof('A')+sizeof(1.2);

Value+= sizeof(10.2F);

printf("Value=%-8d", Value);

printf("Result=%-8.2f",value + Value /8.0f);

return 0;

}

A. value=11 Value=20 Result=13.50

B. value=13 Value=20 Result=15.50

C. value=13 Value=17 Result=13.50

D. value=11 Value=17 Result=15.50

Answer: A



3. #include<stdio.h>

int main(void)

{

int value1=0x32;

int value2=064;

int value3 = 0x8 + 016 + 128 - value1 + value2;

printf("value1=%d \t", value1);

printf("value2=%d \t", value2);

printf("value3=%d \n", value3);

return 0;

}

A. value1=50 value2=52 value3=152

B. value1=32 value2=64 value3=164

C. value1=50 value2=64 value3=152

D. value1=50 value2=64 value3=164

Answer: A