ASSIGNMENT 2

------------------------------------------------------------------------------------------------

/\* to print unit digit of a given number \*/

#Include<stdio.h>

int main()

{

int num,digit;

printf(" Enter a number");

Scanf("%d", &num);

digit = num%10;

printf("Unit digit of %d", num,digit);

return 0;

}

-----------------------------------------------------------------------------------------------

/\* to print given number without last digit \*/

#Include<Stdio.h>

int main()

{

int num, digit;

printf (" Enter a number");

Scanf("%d", &num);

digit = num/10;

printf ("last digit of given number is %d", num,digit);

return 0;

}

------------------------------------------------------------------------------------------------

/\* to Swap value of two int variable \*/

#Include<stdio.h>

int main()

{

int a,b,c:

printf (" Enter First Number:");

scanf("%d", &a);

Printf(" Enter Second Number:");

Scanf("%d", &b);

c=a;

a=b;

b=c;

printf("\n After swapping First number=%d\n",a);

printf("\n After swapping Second number=%d\n",b);

return 0;

}

------------------------------------------------------------------------------------------------/\* to swap valueof two int variable without using third variable \*/

#include<stdio.h>

int main()

{

int a=10, b=25:

printf("Before swap a=%d b=%d", a,b);

a=a+b;

b=a-b;

a=a-b;

printf (" After swapping a=%d b=%d, a,b);

return 0;

}

------------------------------------------------------------------------------------------------\*/ to input a three digit number and display the sum of the digit \*/

#Include<stdio.h>

int main()

{

int num,digit;

printf("Enter a number of three digit");

scanf("%d", &num);

printf ("%d", n/100 +n/10%10 +n%10);

return 0;

}

------------------------------------------------------------------------------------------------

\*/ input a character and display ASCII Value \*/

#include<stdio.h>

int main()

{

char c;

printf("Enter a character:");

scanf("%c" , &c);

printf("ASCII value of %c = %d", c,c);

return 0;

}

------------------------------------------------------------------------------------------------

/\* to find the position of first 1 in LSB.\*/

#Include<stdio.h>

int main()

{

int x=6, count=0;

int result = 0;

result = x&1;

count ++;

if ( result == 1)

{

printf("%d", count);

}

x=x>>1;

result = x&1;

count ++;

if ( result == 1)

{

printf("%d", count);

}

x=x>>1;

return 0;

}

------------------------------------------------------------------------------------------------

/\* to check whether the given number is even or odd using bitwise operator \*/

#include<stdio.h>

int main()

{

int a:

printf("Enter a number:");

scanf("%d", &a);

if (n&1==1)

printf("odd\n");

else

printf("Even\n");

return 0;

}

------------------------------------------------------------------------------------------------

/\*to print size of an int, a float , a char and a double type variable\*/

#Include<stdio.h>

int main()

{

int a;

float b;

char c;

double d ;

printf ("size of int: %1d bytes\n", size of (a));

printf ("size of float: %1d bytes\n", size of (b));

printf ("size of char: %1d bytes\n", size of (c));

printf ("size of double: %1d bytes", size of (d));

return 0;

}

------------------------------------------------------------------------------------------------

/\* to make last digit of a number stored in a variable as 0. \*/

#include<stdio.h>

int main()

{

int x=2345:

printf("x/10");

printf("x \*10");

return 0;

}

------------------------------------------------------------------------------------------------

/\* to input a number from the user and also input a digit . append a digit in a number and print the resulting number\*/

#include<stdio.h>

int main()

{

int x=234:

printf("%d" , x);

printf("%d, %d 9", );

return 0;

}

------------------------------------------------------------------------------------------------

/\* Assume price of 1 USD is INR 76.23 write a program to take the amount in INR and convert it into USD \*/

#include<stdio.h>

int main()

{

float a;

printf("Enter Amount in INR:")

scanf("%d", &a);

float 1 USD =76.23;

printf("%f USD", USD);

}

------------------------------------------------------------------------------------------------/\* to take a three digit number from the user and rotate its digits by one position towards the right . \*/

#include<stdio.h>

int main()

{

intn, num1, num2, num3, reverse;

printf("Enter a three digit number:\n");

scanf("%d", &n);

num 1= n/100;

num 2=(n%100)/10;

num 3=(n%10)/100;

reverse=num3\*100 +num2\*10;

printf("The reverse is %d",reverse);

return 0;

}

------------------------------------------------------------------------------------------------