ASSIGNMENT-2

1. Write a program to print unit digit of a given number

#include<stdio.h>

int main()

{

int x,y;

printf("Enter any number");

scanf("%d",&x);

x%10;

printf("unit digit of %d is %d",x,x%10);

return 0;

}

1. Write a program to print a given number without its last digit.

#include<stdio.h>

int main()

{

int x,y;

printf("Enter any number");

scanf("%d",&x);

x/10;

printf("Number without its last digit of x is %d",x/10);

return 0;

}

1. Write a program to swap values of two int variables

#include<stdio.h>

int main()

{

int x,y,z;

printf("Enter two number");

scanf("%d %d",&x,&y);

z=x;

x=y;

y=z;

printf("%d %d",x,y);

return 0;

}

4.Write a program to swap values of two int variables without using a third variable

#include<stdio.h>

int main()

{

int x,y;

printf("Enter two number");

scanf("%d %d",&x,&y);

x=x+y;

y=x-y;

x=x-y;

printf("%d %d",x,y);

return 0;

}

5.Write a program to input a three-digit number and display the sum of the digits.

#include<stdio.h>

int main()

{

int x;

int rem=0,sum=0;

printf("Enter any three digit number");

scanf("%d",&x);

rem=x%10;

x=x/10;

sum=sum+rem;

rem=x%10;

x=x/10;

sum=sum+rem;

rem=x%10;

x=x/10;

sum=sum+rem;

printf("sum of three digit number is %d",sum);

return 0;

}

6.Write a program which takes a character as an input and displays its ASCII code.

#include<stdio.h>

int main()

{

char x;

printf("Enter any character");

scanf("%c",&x);

printf("ASCII code is %d",x);

return 0;

}

7.Write a program to find the position of first 1 in LSB.

#include<stdio.h>

int main()

{

int x,result=0,count=0;

printf("Enter any number");

scanf("%d",&x);

while(x!=0)

{

result=x&1;

count++;

if(result==1)

{

printf("%d",count);

break;

}

x=x>>1;

}

return 0;

}

8.Write a program to check whether the given number is even or odd using a bitwise operator.

#include<stdio.h>

int main()

{

int x,result;

printf("Enter any number");

scanf("%d",&x);

result=x&1;

if(result==1)

printf("Odd");

else

printf("Even");

return 0;

}

9. Write a program to print size of an int, a float, a char and a double type variable

#include<stdio.h>

int main()

{

int a;

char b;

float c;

double d;

printf("size of int variable is 4\n");

printf("size of char variable is 1\n");

printf("size of float variable is 4\n");

printf("size of double variable is 8\n");

return 0;

}

10.Write a program to make the last digit of a number stored in a variable as zero. (Example - if x=2345 then make it x=2340)

#include<stdio.h>

int main()

{

int x,y,z;

printf("Enter any number");

scanf("%d",&x);

y=x%10==0;

z=x/10;

printf("the number is %d%d",z,y);

return 0;

}

11. Write a program to input a number from the user and also input a digit. Append a digit in the number and print the resulting number. (Example - number=234 and digit=9 then the resulting number is 2349)

#include<stdio.h>

int main()

{

int x,y,z;

printf("Enter a number and a digit are ");

scanf("%d %d",&x,&y);

printf("the resulting number is %d%d",x,y);

return 0;

}

12. 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 x,y;

printf("Enter rupees in INR form:-");

scanf("%f",&x);

y=x\*76.23;

printf("%f INR convert into USD is %f ",x,y);

return 0;

}

13.Write a program to take a three-digit number from the user and rotate its digits by one position towards the right

#include<stdio.h>

int main()

{

int x;

printf("Enter any three digits number");

scanf("%d",&x);

x=x%10\*100+x/10;

printf("the number is %d",x);

return 0;

}