**JRassignment 2**

//1. Write a program to print unit digit of a given numbe

#include<stdio.h>

int main()

{

int n;

printf("enter a number");

scanf("%d",&n);

printf("Unit digit of a number is %d ",n%10);

return 0;

}

//2. Write a program to print a given number without its last digit.

#include<stdio.h>

int main()

{

int n;

printf("Enter a number");

scanf("%d",&n);

printf("Number is without las digit %d",n/10);

return 0;

}

//3. Write a program to swap values of two int variables.

#include<stdio.h>

int main()

{

int a,b,c;

printf("Enter two number");

scanf("%d%d",&a,&b);

c=a;

a=b;

b=c;

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

return 0;

}

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

#include<stdio.h>

int main()

{

int a,b;

printf("Enter two number");

scanf("%d%d",&a,&b);

a=a+b;

b=a-b;

a=a-b;

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

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 n,l,s=0;

printf("Enter three digit number");

scanf("%d",&n);

while(n!=0)

{

l=n%10;

s=s+l;

n=n/10;

}

printf("Sum of digit is %d",s);

}

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

#include<stdio.h>

int main()

{

char ch;

printf("Enter any character from key board");

scanf("%c",&ch);

printf("ASCII code of the character is %d",ch);

}

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

#include<stdio.h>

int main()

{

int x,count=0,re;

printf("Enter a number");

scanf("%d",&x);

while(x!=0)

{

re=x&1;

count++;

if(re==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;

printf("Enter a number\n");

scanf("%d",&x);

x=x&1;

if(x)

printf("number is odd",x);

else

printf("number is even",x);

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 ch;

float k;

double d1;

printf(" size of int = %d\n",sizeof(a));

printf(" size of char = %d\n",sizeof(ch));

printf(" size of float = %d\n",sizeof(k));

printf(" size of double = %d\n",sizeof(d1));

}

/\*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 n;

printf("Enter a number");

scanf("%d",&n);

n=n/10;

n=n\*10;

printf("%d",n);

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 n,a;

printf("Enter frist number than a digit to append");

scanf("%d%d",&n,&a);

n=n\*10+a;

printf("appended number is = %d",n);

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()

{

int n;

float re;

printf("Enter the amount in INR ");

scanf("%d",&n);

re=n/76.23;

printf("INR rupees in USD %f",re);

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 n,a,p,r;

printf("Enter three digit number");

scanf("%d",&n);

r=n%10;

r=r\*100;

a=n/10;

p=r+a;

printf(" rotated number is %d",p);

return 0;

}