Assignment 2

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

**#include<stdio.h>**

**int main()**

**{**

**int num,unit\_digit;**

**printf(“Enter a number\n”);**

**scanf(“%d”,&num);**

**unit\_digit=num%10;**

**printf(“Unit digit of a number is %d “, unit\_digit);**

**return 0;**

**}**

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

**#include<stdio.h>**

**int main()**

**{**

**int num,result;**

**printf(“Enter a number\n”);**

**scanf(“%d”,&num);**

**result=num/10;**

**printf(“processed number is %d”,result);**

**return 0;**

**}**

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

**#include<stdio.h>**

**int main()**

**{**

**int a,b,temp;**

**printf(“Enter two numbers\n”);**

**scanf(“%d%d”,&a,&b);**

**temp=a;**

**a=b;**

**b=temp;**

**printf(“After swapping 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 numbers\n”);**

**scanf(“%d%d”,&a,&b);**

**a=a+b;**

**b=a-b;**

**a=a-b;**

**printf(“After swapping a= %d b=%d”,a,b);**

**return 0;**

**}**

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

**#include<stdio.h>**

**int main()**

**{**

**int num,a,b,c,sum;**

**printf(“Enter a three-digit number\n”);**

**scanf(“%d”,&num);**

**a=num%10;**

**num=num/10;**

**b=num%10;**

**num=num/10;**

**c= num%10;**

**num=num/10;**

**sum=a+b+c;**

**printf(“sum of three-digit number is %d”,sum);**

**return 0;**

**}**

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

**#include<stdio.h>**

**int main()**

**{**

**char c;**

**printf(“Enter a character\n”);**

**scanf(“%c”,&c);**

**printf(“ASCII code of %c is %d”,a,a);**

**return 0;**

**}**

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

**#include<stdio.h>**

**int main()**

**{**

**int a;**

**printf(“Enter a number\n”);**

**scanf(“%d”,&a);**

**a%2&1?printf(“number is odd):printf(“number is even);**

**return 0;**

**}**

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

**#include<stdio.h>**

**int main()**

**{**

**int I;**

**float f;**

**char c;**

**double d;**

**printf(“Size of int variable is %d”,sizeof(i));**

**printf(“Size of float variable is %d”,sizeof(f));**

**printf(“Size of char variable is %d”,sizeof(c));**

**printf(“Size of double variable is %d”,sizeof(d));**

**return 0;**

**}**

9. 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 amt,USD;**

**printf(“Enter amount \n”);**

**scanf(“%f”,&amt);**

**USD=amt/76.23;**

**printf(“Your amount to USD ->%f”,USD);**

**return 0;**

**}**

**Appology:/ Rest questions has not solved as I didn’t click their logic.**