**Logic Building Assignment: 3**

**Complete Below Code Snippets**

Write separate application program in separate file and execute it practically.

Write each program in the class notebook with description.

1. **Write a program which accept one number from user and print that number of even numbers on screen.**

**Input: 7**

**Output: 2 4 6 8 10 12 14**

void printEven(int iNo)

{

    if(iNo<=0)

    {

        return;

    }

    //Logic

}

int main()

{

    int iValue =0;

    printf("Enter number: \n");

    scanf("%d",&iValue);

    printEven(iValue);

    return 0;

}

1. **Write a program which accept one number from user and print factors of that number.**

**Input: 24**

**Output: 1 2 4 6 8 12**

void displayFactor(int iNo)

{

    int i =0;

    if(iNo<=0);

    {

        iNo = -iNo;

    }

    for(i=1;i<=\_\_\_\_\_\_;i++)

    {

        if(\_\_\_\_)

        {

            print("%d",i);

        }

    }

}

int main()

{

    int iValue =0;

    printf("Enter number: \n");

    scanf("%d",&iValue);

    displayFactor(iValue);

    return 0;

}

1. **Write a program which accept one number from user and print even factors of that number.**

**Input: 36**

**Output: 2 6 12 18**

void displayEvenFactor(int iNo)

{

    int i =0;

    if(iNo<=0);

    {

        iNo = -iNo;

    }

    for(i=1;i<=\_\_\_\_\_\_;i++)

    {

        if(\_\_\_\_ && \_\_\_\_\_\_)

        {

        }

    }

}

int main()

{

    int iValue =0;

    printf("Enter number: \n");

    scanf("%d",&iValue);

    \_\_\_\_\_\_\_\_\_(\_\_\_\_\_\_\_\_);

    return 0;

}

1. **Accept onecharacter from user and convert case that character**

**Input: a Output: A**

**Input: D Output: d**

\_\_\_\_\_\_\_displayConvert(\_\_\_\_\_\_\_Cvalue)

{

    if(\_\_\_\_\_);

    {

        printf("%\_\_\_\_\_",\_\_\_\_\_);

    }

    else if(\_\_\_\_\_)

    {

        printf("%\_\_\_\_\_",\_\_\_\_\_);

    }

}

int main()

{

    char cValue ='\0';

    printf("Enter character: \n");

    scanf("%c",&cValue);

    \_\_\_\_\_\_\_\_(cValue);

    return 0;

}

1. **Accept one character from user and check whether that character is vowel (a,e,I,o,u) or not.**

**Input: E Output: TRUE**

**Input: d Output: FALSE**

typedef int \_\_\_\_\_\_;

#define TRUE \_\_\_\_\_

#define \_\_\_\_\_\_\_\_\_0

\_\_\_\_\_\_checkVowel(char \_\_\_\_\_)

{

    if(\_\_\_\_\_\_)

    {

        \_\_\_\_\_\_\_\_

    }

    else

    {

        return \_\_\_\_\_;

    }

}

int main()

{

    char cVlue ='\0';

    BOOL bRet =FALSE;

    printf("Enter Character \n");

    scanf("%c",&cValue);

    bRet = \_\_\_\_\_\_(cValue);

    if(bRet ==\_\_\_\_\_)

    {

        printf("It is vowel\n");

    }

    else

    {

        printf("It is Not vowel\n");

    }

    return 0;

}