

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;
}
```

2. 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;
}
```

3. 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;
}
```

4. Accept one character 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;
}
```

5. 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;
}
```