Logic Building Assignment : 71

1.Write generic program to multiply two numbers.

```
template<class T>
T Multiply(T no1, T no2)
{
        _____ ans;

        ans = _____;

        return ans;
}
int main()
{

        int iRet = Multiply(10,20);

        printf("%d",iRet);

        float fRet = Multiply(10.0f,20.0f);

        printf("%f",fRet);

        return 0;
}
```

2. Write generic program to find largest number from three numbers.

```
template<class T>
T Max(_____ , _____ , _____)
{
      // Logic
}
```

3. Write generic program to accept N values from user and return addition of that values.

```
template<class T>
T AddN(T *arr, int iSize)
{
```

```
        T sum;

        int i = 0;

        // Fileter

        for(i = 0;i<iSize;i++)

        {

                iSum = _____;

        }

        return iSum;

}

int main()

{

        int arr[]={10,20,30,40,50};

        float brr[] = {10.0,3.7,9.8,8.7};

        int iSum = AddN(arr,5);

        printf("%d",iSum);

        float fSum = AddN(brr,4);

        printf("%f",fSum);

        return 0;

}
```

4. Write generic program to accept N values from user and return largest values.

```
template<class T>

T Max(T *arr, int iSize)

{

        // Logic

}

int main()

{

        int arr[]={10,20,30,40,50};

        float brr[] = {10.0,3.7,9.8,8.7};
```

```c
    int iRet = Max(arr,5);

    printf("%d",iRet);// 50

    float fRet = Max(brr,4);

    printf("%f",fRet); // 9.8

    return 0;

}
```

5. Write generic program to accept N values from user and return smallest value.

```c
template<class T>
T Min(T *arr, int iSize)
{
    // Logic
}
int main()
{
    int arr[]={10,20,30,40,50};
    float brr[] = {10.0,3.7,9.8,8.7};
    int iRet = Min(arr,5);
    printf("%d",iRet);// 10
    float fRet = Min(brr,4);
    printf("%f",fRet); // 10.0
    return 0;
}
```