

Logic Building Assignment : 52

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};
```

```
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.

```
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;  
}
```