Logic Building Assignment : 3

Complete below code snippets it contains only service provider function.

Write entry point function to call below helper functions separately.

Create separate visual Studio project for each problem statement separately.

Each project should contains below things
- **File which contains entry point function**
- **File which contains helper function**
- **File which works as header file**

1.Write a program which accept one number from user and return its factorial.

Input : 5
Output : 120

```
void Factorial(int iNo)
{
	int iAns = 1;
	wile(_____________)
	{
		_____________ ;
		iNo-- ;
	}
	return iAns;
}
```

2. Write a program which accept principle amount, time and create of interest from user and calculate simple intrest.

SimpleIntrest = PrincipleAmount * Time * RateOfIntrest / 100

```
_________ SImpleIntrest(_______ Preinciple, _______ time, _________ Rate)
{
	// Logic
}
```

3. Write a program which accept two numbers from user and display its largest common factors.

Input : 12 18
Output : 6

```
_______ DisplayComFactorLarge(int iNo1, int iNo2)
{
	// Logic
}
```

4. Accept three numbers from user and return its average.

```
float Avg(int iNo1, int iNo2, int iNo3)
{
	float fAns = 0.0f;
	// Logic
}
```

5. Accept radius from user and return circumference of circle.

```
float Circum(float _____)
{
	// Logic
}
```

6. Accept number in decimal format and print its binary equivalent number.

```
Input :		11
Output :	1011

void Binary (int iNo)
{
	while(iNo != 0)
	{
		printf("%d", _____);
		iNo = iNo / _____;
	}
}
```

7. Accept range from user and print all numbers between that range.

```
Input :	10	17
Output :	10	11	12	13	14	15	16	17

void DisplayRange(int iStart, int iEnd)
{
	int iCnt = 0;
	// Validation

	for(_____ ; _____ ; _____)
	{
```

```
            printf("%d", _________ );
        }
}
```

8. Accept range from user and print all even numbers between that range.

```
Input :     10    17
Output :    10    12    14    16

void DisplayRangeEven(int iStart, int iEnd)
{
        int iCnt = 0;
        // Validation

        for(_____ ; _________ ; _____)
        {
            if( _______ )
            {
                printf("%d", _________ );
            }
        }
}
```

9. Accept range from user and addition of all numbers between that range.

```
Input :     10    15
Output :    75

Int SumRange(int iStart, int iEnd)
{
        int iCnt = 0;
        int iSum = 0;

        // Validation

        for(_____ ; _________ ; _____)
        {
            iSum = _______________ ;
        }
        return _________ ;
}
```

10. Accept range from user and print all numbers between that range in reverse order.

```
Input :     10    17
Output :    17    16    15    14    13    12    11    10
```

```
void DisplayRangeRev(int iStart, int iEnd)
{
	int iCnt = 0;
	// Validation

	for(_____ ; _________ ; _____)
	{
		printf("%d", _________ );
	}
}
```