Logic Building Assignment : 6

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.Rent of car is 15 rupees per kilometre for first 120 kilometres and after that it is 10 rupees per kilometre. Accept total number of kilometres and calculate rent.

Input : 80
Output : 1200

Input : 145
Output : 2050

```
UINT RentCalculate(int iNo)
{
      // Logic
}
```

2. Parking charges for four whaler is 30 rupees for first three hours and after every hour it is 5 rupees. Accept number of hours and calculate total amount.

Input : 2
Output : 30

Input : 7
Output : 50

```
UINT ParkingClaculate (UINT iNo)
{
      // Logic
}
```

3. Write a program which accept number of hours and calculate number of minutes.

Input : 5
Output : 300

```
UINT CalculateMin (UINT iHr)
{
	// Logic
}
```

4. Write a program which accept number of minutes and calculate number of hours.

Input : 320
Output : 5 hours 20 minutes

Input : 150
Output : 2 hours 30 minutes

```
void CalculateHr (UINT iHr)
{
	// Logic
}
```

5. Accept number from user and display below pattern as.

Input : 5
Output : A A A A A

```
void Pattern(int iNo)
{
	// Logic
}
```

6. Accept numbered one character from user and display below pattern as.

Input : 5 M
Output : M M M M M

```
void Pattern(int iNo, char ch)
{
```

```
    // Logic
}
```

7. Accept range from user and display below output.

```
Input :   5    12
Output :  5    6    7    8    9    10   11   12

void Pattern(int iStart , int iEnd)
{
    // Logic
}
```

8. Accept three numbers from user and return difference between largest and smallest digit.

```
Input :   543
Output :  2    (5 - 3)

Input :   7309
Output :  7    (9 - 3)

Input :   7319
Output :  8    (9 - 1)

UINT DigitDiff (LONG iNo)
{
    // Logic
}
```

9. Accept range from user and display below output.

```
Input :   5    20
Output :  6    8    10   12   14   16   18   20

void Pattern(int iStart , int iEnd)
{
    // Logic
}
```

10. Write a program which accept one number from user addition of factorial of each digit of that number.

Input : 324
Output : 32 (3! + 2! + 4!)

Input : 524
Output : 146 (5! + 2! + 4!)

```
UINT FactDigit(UINT iNo)
{
    // Logic
}
```