
WEB Services

1. Adding a day

```
public String next_day(@WebParam(name = "date") String date) {  
    //TODO write your implementation code here:  
    return LocalDate.parse(date).plusDays(1).toString();  
}
```

2. Factorial

```
public Integer factorial(@WebParam(name = "num") int num) {  
    //TODO write your implementation code here:  
    int res, i, fact=1;  
    if (num>1){  
        fact = 1;  
        for (i=1; i<=num; i++){  
            fact = fact*i;  
        }  
    }  
    return fact;  
}
```

3. Greetings

```
public String greet(@WebParam(name = "dateNtime") String dateNtime) {  
    //TODO write your implementation code here:  
    LocalTime cur_time = LocalTime.now();  
    int hour = cur_time.getHour();  
    String res = "";  
    if (hour<12 & hour>0){  
        res = "Good Morning!";  
    }  
    else if (hour>17 & hour<24){  
        res = "Good Evening!";  
    }  
    else if (hour >= 12 & hour < 17){  
        res = "Good Afternoon!";  
    }  
    return res;  
}
```

4. Palindrome

```
public String isPal(@WebParam(name = "num") int num) {  
    //TODO write your implementation code here:  
    int r, sum=0, temp;  
    String res="";  
    temp = num;  
    while(num>0){  
        r = num % 10;  
        sum = (sum*10)+r ;  
        num = num/10 ;  
    }  
    if (temp == sum){  
        res = temp + " is a Palindrome number";  
    }
```

```

    }
    else{
        res = temp + " is NOT a Palindrome number";
    }
    return res;
}

```

5. Km to in and vice versa

```

@WebMethod(operationName = "km_to_in")
public Double km_to_in(@WebParam(name = "km") double km) {
    //TODO write your implementation code here:
    Double in = km * 39370.1 ;
    return in;
}

@WebMethod(operationName = "In_to_km")
public Double In_to_km(@WebParam(name = "in") double in) {
    Double km = in/39370.1 ;
    return km;
}

```

6. Temp convert

```

@WebMethod(operationName = "C_to_F")
public Double C_to_F(@WebParam(name = "c") double c) {
    Double f = ((c * 9)/5) + 32 ;
    return f;
}

@WebMethod(operationName = "F_to_C")
public Double F_to_C(@WebParam(name = "f") double f) {
    Double c = ((f - 32)*5)/9 ;
    return c;
}

```

7. Reverse number

```

public Integer reverse(@WebParam(name = "num") int num) {
    //TODO write your implementation code here:
    int rev=0, rem;
    while(num>0){
        rem = num%10;
        rev = (rev*10) + rem;
        num = num/10 ;
    }
    return rev;
}

```

8. Add numbers

```

@WebMethod(operationName = "Sum")
public Integer Sum(@WebParam(name = "num") int num) {
    //TODO write your implementation code here:
    int i, tot=0;
    for(i=1; i<=num; i++){
        tot = tot + i;
    }
    return tot;
}

```