

**1. Finding F from C (temp).**

```
#include<stdio.h>
int main()
{
    float c = 7;
    float f;

    if(1)
    {
        f = (c * 9/5) + 32;
        printf("%f is the temperature after conversion", f);
    }
}
```

**2. Finding area and perimeter of rectangle or circle.**

```
#include<stdio.h>
void main()
{
    int l = 10;
    int w = 84;
    int a;
    int p;
    if(l > w)
    {
        a = (l * w);
        printf("%d is the area of rectangle", a);
    }
    else
    {
        p = 2*(l + w);
        printf("%d is the perimeter of rectangle", p);
    }
}
```

**3. Accept a 3 digit number from user and find the sum of the digits and also reverse the number**

```
#include<stdio.h>
void main()
{
    int num, r1, q1, r2, q2, sum, rev= 0;
    printf("Enter 3 digit number: ");
    scanf("%d", &num);
    if(num >= 100 && num <= 999)
    {
        //Addition of all digits in given number..
        r1 = num % 10;
        q1 = num / 10;
        r2 = q1 % 10;
```

```

        q2 = q1 / 10;
        sum = q2 + r2 + r1;
        printf("%d is the sum of all digit in given number \n", sum);

        //Reverse the given number
        rev = (rev * 10) + r1;
        rev = (rev * 10) + r2;
        rev = (rev * 10) + q2;
        printf("%d is the reverse of given number", rev);
    }
    else
    {
        printf("Enter valid number");
    }
}

```

4. Check if the given number is even or odd.

```

#include<stdio.h>
void main()
{
    int num = 789, even, odd;
    if(num % 2 == 0)
    {
        printf("%d is even",num);
    }
    else
    {
        printf("%d is odd",num);
    }
}

```

5. **Calculating total salary based on basic. If basic <=5000 da, ta and hra will be 10%,20% and 25% respectively otherwise da, ta and hra will be 15%,25% and 30% respectively.**

```

#include<stdio.h>
void main()
{
    int basic = 7777;
    int da, ta, hra, tsalary;
    if(basic <= 5000)
    {
        da = basic*0.10;
        ta = basic*20;
        hra = basic*25;
        tsalary = basic + da + ta + hra;
        printf("Total salary is %d", tsalary);
    }
}

```

```

    }
    else
    {
        da = basic*0.15;
        ta = basic*0.25;
        hra = basic*0.30;
        tsalary = basic + da + ta + hra;
        printf("Total salary is %d", tsalary);
    }
}

```

- 6. Write a program to check if person is eligible to marry or not (male age  $\geq 21$  and female age  $\geq 18$ )**

```

#include<stdio.h>
void main()
{
    int maleage= 24, femaleage=17;
    if(maleage >= 21 && femaleage >= 18)
    {
        printf("Person is eligible to marry");
    }
    else
    {
        printf("Person is not eligible to marry");
    }
}

```