

1.Find the biggest among two numbers

```
num1 = int(input("Enter the first number: "))
```

```
num2 = int(input("Enter the second number: "))
```

```
if num1 > num2:
```

```
    print("The biggest number is ", num1)
```

```
else:
```

```
    print("the biggest number is", num2)
```

2. net salary

```
basic_salary = int(input("Enter the basic salary: "))
```

```
if basic_salary > 10000
```

```
    hra = 0.2 * basic_salary
```

```
    da = 0.1 * basic_salary
```

```
    tax = 0.15 * basic_salary
```

```
else:
```

```
    hra = 0.1 * basic_salary
```

```
    da = 0.05 * basic_salary
```

```
    tax = 0.05 * basic_salary
```

```
net_salary = basic_salary + hra + da - tax
```

```
print("Net Salary:" net_salary)
```

3.Odd or even

```
number = int(input("Enter a number: "))
```

```
if number % 2 == 0:
```

```
    print("The number is an even number.")
else:
    print("The number is an odd number.")
```

4. roots of quadratic equation

```
a = float(input("Enter the coefficient a: "))
b = float(input("Enter the coefficient b: "))
c = float(input("Enter the coefficient c: "))
d = b**2 - 4*a*c

if d > 0:
    print("The roots are real and distinct.")
elif discriminant == 0:
    print("The roots are real and equal.")
else:
    print("The roots are imaginary.")
```