```python
In [3]: n1=int(input('enter num1:'))
        n2=int(input('enter num2:'))
        n3=int(input('enter num3:'))
        if n1>n2 and n1>n3:
            print(n1,'n1 is greater')
        elif n2>n3 and n2>n1:
            print(n2,'n2 is greater')
        elif n3>n1 and n3>n2:
            print(n3,'n3 is greater')
```

```
enter num1:4
enter num2:5
enter num3:6
6 n3 is greater
```

```python
In [4]: a=str(input('enter string:'))
        b=a[::-1]
        if(b==a):
            print('given string is palindrome')
        else:
            print('given string is not a palindrome')
```

```
enter string:madam
given string is palindrome
```

```python
In [5]: n=int(input('enter num:'))
        temp=n
        reverse=1
        digit=0
        if(n>1):
            for i in (2,n):
                if(n%i==0):
                    print('not prime number')
                    break
                else:
                    print('prime number')
                    break
        else:
            print('not prime number')
```

```
enter num:3
prime number
```

```python
In [6]: n=int(input('enter a number:'))
        try:
            int(n)
        except:
            print('enter valid input of integer type')
        else:
            temp=n
            rev=0
            while (n>0):
                digit=n%10
                rev=rev*10+digit
                n=n//10
            if rev==temp:
                print('palindrome')
            else:
                print('not a palindrome')
        finally:
            print('done')
```

```
enter a number:12345
not a palindrome
done
```

```python
In [7]: n=int(input('enter n value:'))
        t,s=0,0
        for i in range(1,n+1):
            s=i*i
            t=t+s
            i=i+1
        print('the sum of the squares of first n natural numbers is:',t)
```

```
enter n value:9
the sum of the squares of first n natural numbers is: 285
```