

1.check if a number is positive or negative ,zero

```
number = int(input())
```

```
if (number >0) :
```

```
print("Positive")
```

```
elif (number < 0):
```

```
print("Negative")
```

```
else:
```

```
print("Zero")
```

2.find the largest among three numbers

```
first_number = int(input())
```

```
second_number = int(input())
```

```
third_number = int(input())
```

```
if (first_number >= second_number) and (first_number >=third_number):
```

```
print("large:" + first_number)
```

```
elif(second_number >= first_number) and (second_number >= third_number):
```

```
print("large :" + second_number)
```

```
else:
```

```
print(third_number)
```

3. check if a character is a vowel

```
alphabet = input()

if alphabet in ("a","e","i","o","u"):
    print("alphabet is a vowel")
else:
    print("alphabet is not an vowel")
```

4. check wheather a number is even and divisible by 5

```
number = int(input())

if (number%2==0) and (number / 5):
    print("its even and divisible by 5")
else:
    print("not even")
```

6. Student grade calculation

```
percentage = int(input())

if (percentage > 90):

    print("A")

elif (75 < percentage < 89):

    print("B")

elif (50 < percentage < 74):

    print("C")

else:

    print("FAIL")
```

8. simple calculator

```
mynum_1 = int(input())

mynum_2 = int(input())

operator = input()

if operator == "+":

    number = mynum_1 + mynum_2

    print(number)

elif operator == "-":

    number = mynum_1 - mynum_2

    print(number)

elif operator == "*":

    number = mynum_1 * mynum_2

    print(number)
```

else:

```
print("invalid")
```

#12. Determine the age group

```
age = int(input())
```

```
if (age<13):
```

```
print("CHILD")
```

```
elif (13 < age < 19):
```

```
print("TEEN")
```

```
elif (20 < age < 59):
```

```
print("ADULT")
```

else:

```
print("SENIOR")
```