

Python conditions, if, else, ifelif, while, for loops and loops control

Control Flow

Decision Making statements

```
## If statements
age = 17
if age<18:
    print("You are not eligible to vote ")
```

You are not eligible to vote

```
age = int(input("Enter the age"))
if age>=18 and age<=45:
    print("You are Young Blood")
```

Enter the age 34

You are Young Blood

```
## If else
age = int(input("Enter the age"))
if age>=18 and age <=45:
    print("You are young Blood")
else:
    print("thank you your application is rejected")
```

Enter the age 34

You are young Blood

```
product_price = int(input("Enter the price"))
if product_price > 3000:
    print(f"the price of the product is { product_price * 0.8}")
elif product_price >=2000 and product_price <=3000:
    print(f"the price of the product is { product_price * 0.7}")
else:
    print("lets drink tea")
```

Enter the price 3200

the price of the product is 2560.0

```

## Loops statement
# 1. While loop
# 2. For loop
# 3. Nested loops
# 4. Loop Control (break, continue, pass)

# While loop

## Atm machines with 1000 rs

total_amount = 1000
while total_amount != 0 :
    print(total_amount)
    total_amount = total_amount - 100
else:
    print("put more money bank people")

1000
900
800
700
600
500
400
300
200
100
put more money bank people

# For loops
lst = ["Priyanshu",1,2,3,4,"Apple","banana"]

type(lst)
list
lst[0]
'Priyanshu'
lst[4]
4

fruits_list = ["Mango","cherry","Apple","Papaya"]
for a in fruits_list:
    print(a)
    if a == "cherry":
        print("the fruit is cherry")

```

```
Mango
cherry
the fruit is cherry
Apple
Papaya
```

```
# Nested loops
```

```
x = [1, 2]
```

```
y = [4, 5]
```

```
for i in x:
    for j in y:
        print(i, j)
```

```
1 4
```

```
1 5
```

```
2 4
```

```
2 5
```

```
# loop controls
```

```
# break continue
```

```
fruit_list = ["Mango", "cherry", "Apple", "Banana"]
```

```
for i in fruit_list:
    if i == "Apple":
        print("the fruit is apple")

    print(i)
```

```
Mango
cherry
the fruit is apple
Apple
Banana
```