

If else Conditional statement

If else statement

Sometimes the programmer needs to check the evaluation of certain expressions. Where the expression evaluates to True or False. if the expression evaluates to false. Then the program execution follows & different path than it would have if the expression had evaluated True.

Example

```
age=int(input("Enter your age "))
print("your age is ",age)
if(age>18):
    print("You can drive ")
else:
    print("You can not drive ")
```

Based on this. The conditional statements are further classified into following types.

If

If-else

If-else-elif

If else

Example

```
applePrice=210
budget=200
if(applePrice<=budget):
    print("Ali add 1 kg apples to the cart")
else:
```

```
print("Ali do not add the apples to the cart ")
```

if-else elif

For example

```
num=int(input("Enter the value of number :"))if(num<0):
    print("Number is negative")
elif(num==0):
    print("Number is zero")
elif(num==990):
    print("number is Special.")
else:
    print("Number is positive")

print("I am happy")
```

Nested if statements

We can use if. If else , elif statements inside other if statements as well.

For example

```
num=int(input("Enter the value of number :"))
if(num<0):
    print("Number is negative")
elif(num==0):
    if(num<=10):
        print("Number is between 1-10")
    elif(num>10 and num<=20):
        print("Number is between 10-20")

elif(num==990):
    print("number is Special.")
else:
    print("Number is positive")

print("I am happy")
```

Source Code

```

# age=int(input("Enter your age "))
# print("your age is ",age)
# if(age>18):
#     print("You can drive ")
# else:
#     print("You can not drive ")

# #conditional operators
# #>,<,>=,<=,==
# print(age>18)
# print(age<=18)
# print(age==18)
# print(age!=18)

# applePrice=210
# budget=200
# if(applePrice<=budget):
#     print("Ali add 1 kg apples to the cart")

# else:
#     print("Ali do not add the apples to the cart ")

# num=int(input("Enter the value of number :"))
# if(num<0):
#     print("Number is negative")
# elif(num==0):
#     print("Number is zero")
# elif(num==990):
#     print("number is Special.")
# else:
#     print("Number is positive")

# print("I am happy")

num=int(input("Enter the value of number :"))
if(num<0):
    print("Number is negative")
elif(num==0):
    if(num<=10):
        print("Number is between 1-10")
    elif(num>10 and num<=20):

```

```
        print("Number is between 10-20")

elif(num==990):
    print("number is Special.")
else:
    print("Number is positive")

print("I am happy")
```

Thank You