Conditional Statement and Its Variations
Conditional Statements. Conditonal Statement is totally based on conditions it will execute that block of code which statemetrs will execute Example: If(Tomorrow is Sunday):if (weather is good):Then i will go to play cricket elif(To

nich gives us True result. It gives you the order of execution and inwhat order the omorrow is Saturday): Then i will go to watch movie elif(tomorrow is Monday): I will do

my homework elif(Tomorrow is Tuesday): Then i will go to temple else: Sleep

In [21]:

In []:

In [1]:

In []:

In [28]:

In []:

In [30]:

In []:

In [35]:

#Example:

Helloworld

Sytnax: if condtion:

else:

#example

else:

student_name=input("Enter your name")

print("Helloworld")

Hello pratyushWelcome to Edyoda

student_name=input("Enter your name")

Sorry you are not a Topper student

student_rollno=int(input("Enter your roll no")) if student_name=="anil" or student_rollno==100:

print("Sorry you are not a Topper student")

print("Hello Anil You are the topper of this class")

print("Hello w rold")

Enter your namepratyush Enter your roll no100

if else statement

statement1 statement2 statement3 statement4

Statemtn5 Statement6

print("Hello world")

Enter your nameashu Enter your roll no12

if elif condition

statement1 statement2 statement3 statement4 elif condition: statement5 statement6

elif condition: statement7 statement8

#Example of if elif

elif(x=="Saturday"):

elif(x=="Monday"):

elif(x=="Tuesday"):

if(x=="Sunday"):

x=input("Enter the Today's Day")

Enter the Today's DayWednesday

#if elif else condition

if(x=="Sunday"):

elif(x=="Saturday"):

elif(x=="Monday"):

elif(x=="Tuesday"):

print("Sleep")

if condtion:

Enter the Today's Dayqwerty

if conditon

x=input("Enter the Today's Day")

if(y=="Weather is good"):

print("Hurray Today is Sunday")

print("Weather is bad")

print("I will do my homework")

print("Then i will go to temple")

print("Then i will go to watch movie")

print("Then i will go to play cricket")

#if elif else condition

y="Weather is g" if(x=="Sunday"):

else:

Sleep

#Odd even

if n**%2**==0:

Enter a number10 Number is even

#Divie by 3

if n%3 == 0:

elif n%3==1:

elif n**%3**==2:

Enter a number14 Reminder is 2

#Admin and user #Create user

Enter your name:Pratyush

Enter passwordqwertyuio **Invalid Credientials**

#Result Card:

enetr english

average You grade is

Your total amrks are you objectained

Thank you **for** Visiting

Leap Year Condition:

else not_leap_year

if 18**=>**n:

n=int(input())

else:

hello

print(4)

1 2 4

Voter is eligible or not n=int(input("Enter the age))

if year is divisible by 400 then is_leap_year

user is valud for vote

#weather a given number is divible by 7 or not

if(student_name =="pavan" and student_age== 10):

student_age=int(input("enter your age:"))

Print the year is leap year or not

not valid

In [51]: student_name=input("enter your name:")

print("hello")

enter your name:pavan enter your age:10

> print(1) print(2)

print("thank you")

if "boat" in {"boat":1, "zor":2}:

else if year is divisible by 100 then not_leap_year else if year is divisible by 4 then is_leap_year

Enter email:pratyush@gmail.com

Take input of student name --> Take input of roll no --> enter your maths subejct amrks

else:

else:

In [40]:

In [43]:

In [48]:

In []:

In []:

In []:

In []:

In [54]:

elif(x=="Saturday"):

elif(x=="Monday"):

elif(x=="Tuesday"):

print("Sleep")

Enter the Today's Dayqwert

n=int(input("Enter a number"))

print("Number is even")

print("Number is odd")

n=int(input("Enter a number"))

print("Reminder is 0")

print("Remibder is 1")

print("Reminder is 2")

User_name=input("Enter your name:") User_email=input("Enter email:") User_pass=input("Enter password")

print("Invalid Credientials")

print("Welcome Pratyush How may i help you")

else:

Sleep

Syntax:

#Else part will always be optional

x=input("Enter the Today's Day")

print("Then i will go to play cricket")

print("Then i will go to watch movie")

print("Then i will go to play cricket")

print("Then i will go to watch movie")

#Nested if else: if we have conditional statemetn inside another conditional statement

if User_name=="Pratyush" and User_email=="pratyush@gmail.com" and User_pass=="qwerty":

print("I will do my homework")

print("Then i will go to temple")

print("I will do my homework")

print("Then i will go to temple")

Hello world

Syntax: if condtion:

student_rollno=int(input("Enter your roll no")) if student_name=="pratyush" and student_rollno==100: print("Hello"+ student_name+"Welcome to Edyoda")

In python programming conditional statement are totally based on if and else

#1.If statement Sytnax:

condition and based on the true condition we want to execute a block. 4.Nested if else

Variations of Conditional Statement 1.If --> if we have a single condition use only if statement 2.if-else --> if we have two conditions then we will use if and else 3.if elif condition --> if we have multiple

if condtion:

statement1 statement2 statement3 statement4