Python
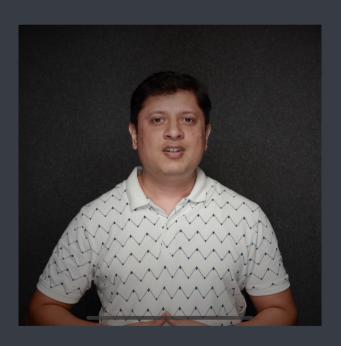
Transfer control statement

Saurabh Shukla (MySirG)

Agenda

1. break
2. continue
3. else with loop
4. pass

break

- break is a keyword
- break is used to transfer control outside the loop body.
- break can only be used in the body of loop
- break terminates the execution of loop

Write a program to ask user to enter an even number at most 3 times. If user failed to enter an even number in all the three chances then he has lost the game. If user enter an even number, then no more chances will be given and announced him a winner.

continue

- Continue is a keyword

- It can only be used in the body of loop.

- Continue transfers the control immedeately to the next iteration

Example

$i = 1$

while $i <= 10$:

    $x = int(input("Enter a number"))$

    if $x \% 2 == 0$:

        continue

    $print(i, "x=", x)$

    $i += 1$

i [3]

x [3]

1 $x = 5$

2 $x = 3$

else with while loop

```
while condition:
    code
    code

else:
    code
```

else block executes when while loop terminates normally.

else block won't be execute when loop terminates due to break statement.

Pass

pass keyword is used to create empty block.

```
if condition :
    pass
```

```
while condition :
    pass
```

```
while ( ... )
{

}
```

```
if ( ... )
{

}
```