

# Full stack web development using python

## Transfer control statement



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# 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 immediately to the next iteration

## Example

$i = 1$

$i = 1 \ 2 \ 3 \ 4$   
 $x = 5 \ 7 \ 3$

while  $i \leq 10$ :

$x = \text{int}(\text{input}(\text{"Enter a number"}))$

if  $x \% 2 == 0$ :

continue

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

$i += 1$

1  $x = 5$   
2  $x = 7$   
3  $x = 3$

10  $x =$

## 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 :		while condition :
pass		pass

```
while ( ... )  
{  
  
}
```

```
if ( ... )  
{  
  
}
```