Lets Face it, now

Project Oriented Python

Python
While Loop
&

Programs



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while

- while loop: Executes a group of statements as long as a condition is True.
 - good for *indefinite loops* (repeat an unknown number of times)
- Syntax:

```
while condition: statements
```

• Example:

```
number = 1
while number < 200:
    print number,
    number = number * 2</pre>
```

• Output:

1 2 4 8 16 32 64 128



Logic

• Many logical expressions use *relational operators*:

Operator	Meaning	Example	Result
==	equals	1 + 1 == 2	True
! =	does not equal	3.2 != 2.5	True
<	less than	10 < 5	False
>	greater than	10 > 5	True
<=	less than or equal to	126 <= 100	False
>=	greater than or equal to	5.0 >= 5.0	True

• Logical expressions can be combined with *logical operators*:

Operator	Example	Result
and	9 != 6 and 2 < 3	True
or	2 == 3 or -1 < 5	True
not	not 7 > 0	False



Exercise

- Write a program to print even number between 1 and 30.
- Write a program to print prime number between 1 and 50
- Write a program to count number of digits of the given integer.
- 4. Write a program to add digits of the given integer.



Thanks