IAP LAB 4

BY

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THE COMPILER

.cpp
.java
.py

C++
Java
Python

.exe
.class
.pyc
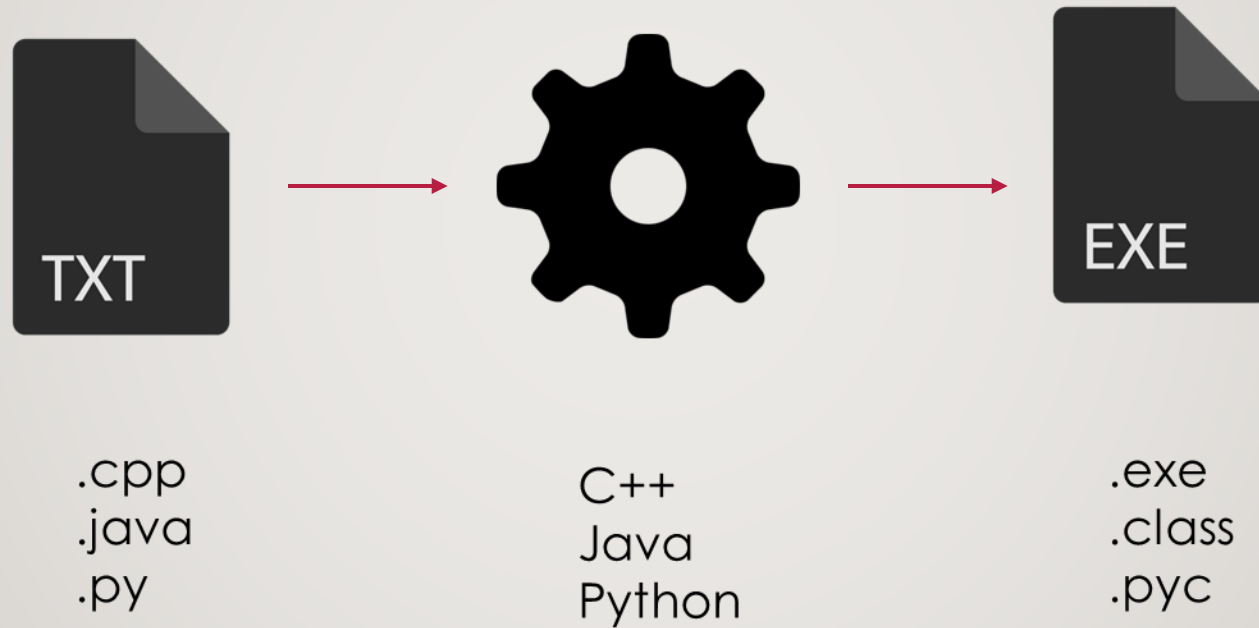
3 WHAT IS IDE?
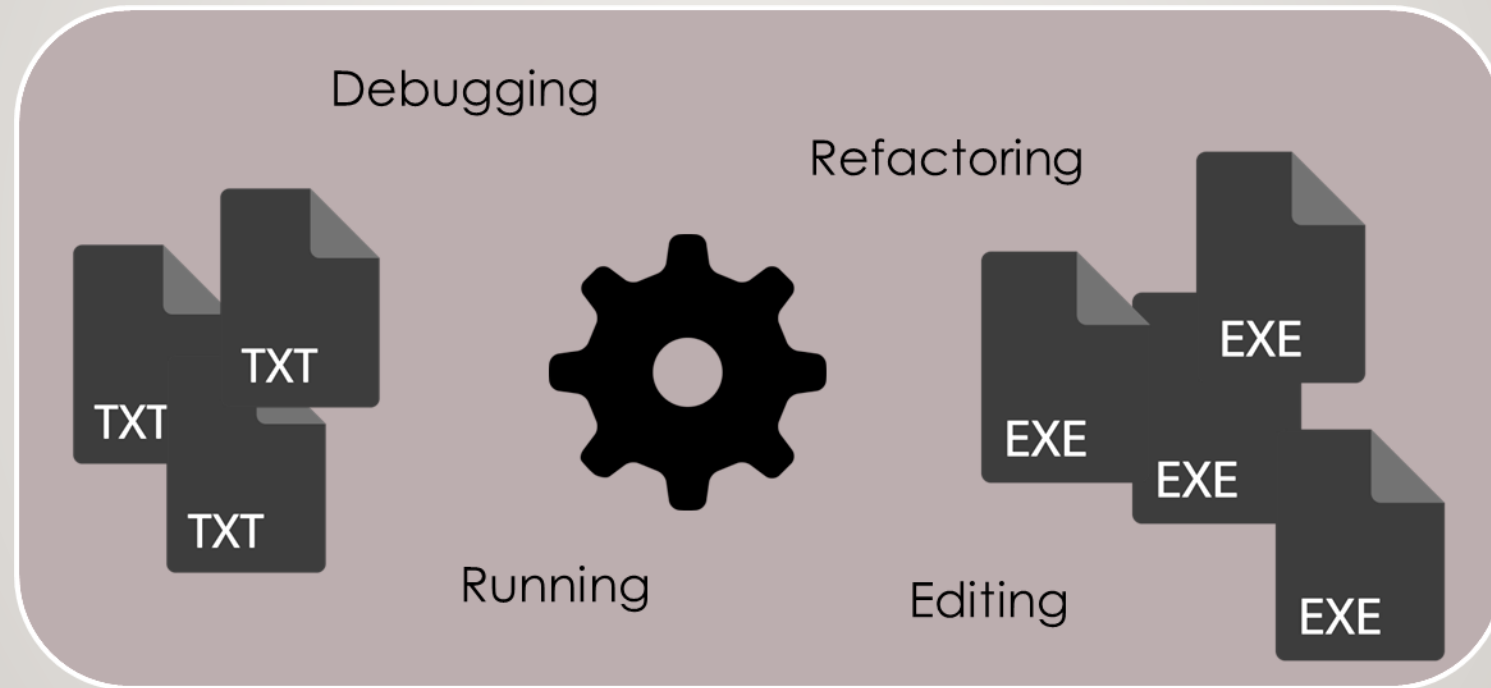
Integrated Development Environment

TOOLS / IDES

C++ SYNTAX

C++ SYNTAX
EMPTY PROJECT

```cpp
#include <iostream>
using namespace std;

int main()
{

}
```

KEYWORDS

- It's a reserve words for the programming language and each keyword has its own job.

OUTPUT STATEMENTS

Using C++

OUTPUT STATEMENT

- Syntax:

  - cout << "type text here" ;

- Job:

  - Print on the screen any statement comes after the output command

EXAMPLE (VERSION 1)

- Question:
  - Print your information on screen (full name, age, ID)

- Solution:
  - cout << "Name: Ahmad" ;
  - cout << "Age: 18" ;
  - cout << "ID: 201810100" ;

- Result:

```
Name:   AhmadAge: 18ID: 201810100
```

EXAMPLE (VERSION 2)

- Question:
  - Print your information on screen (full name, age, ID)

- Solution:
  - cout << "Name: Ahmad" << "Age: 18" << "ID: 201810100" ;

- Result:

```
Name:   AhmadAge: 18ID: 201810100
```

EXAMPLE (VERSION 3)

- Question:
  - Print your information on screen (full name, age, ID) each on a line.
- Solution:
  - cout << "Name: Ahmad" << endl << "Age: 18" << endl << "ID: 201810100" << endl;
- Result:

```
Name:   Ahmad
Age: 18
ID: 201810100
```

GENERAL NOTES

- The program wont run unless its don't have any syntax error.

- C++ is a case sensitive (cout is not the same as COUT or Cout).

- Always declare variable before using it.

- C++ ignores white spaces.

HOMEWORK