## Lec 3

## Error Types:-

1-Syntax error 3-Linker error 2-Run-time error 4-Logical error

5-semantic error

Programming errors are also known as the bugs of faults, and the process of removing these bugs is known as debugging.

## 1- Syntax error

errors are also known as the compilation errors as they occurred at the compilation time, or we can say that > Theorem errors are thrown by the compilers.

\* الأعطاء دى لبتدت الذاد الكتابة عشان انت مبتعش قواعد اللغة أو بتلتب حاجه منافيه لقو العد اللغة ولل لغة ليها قواعد

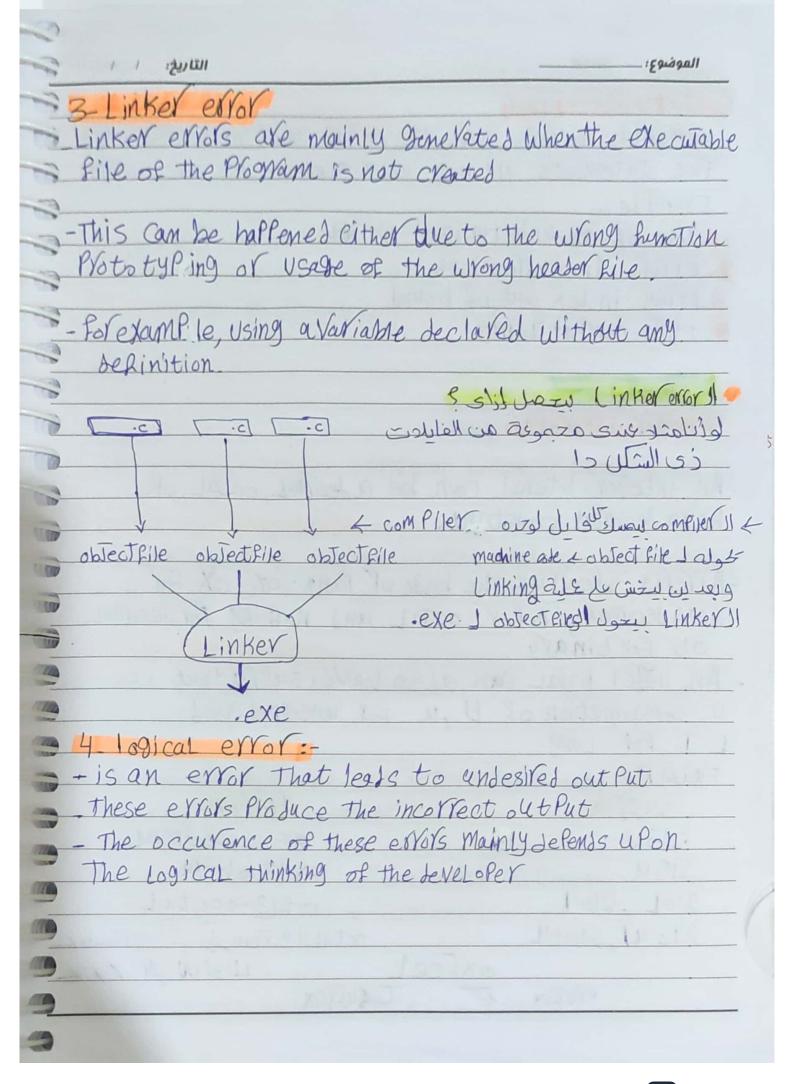
## 2- Run-Time error

even after the successful compilation known as your time every the successful compilation known as the divion by zero is the compilar doesn't point to these ever the divion by zero is the compon example of the run time error

Runtime exter

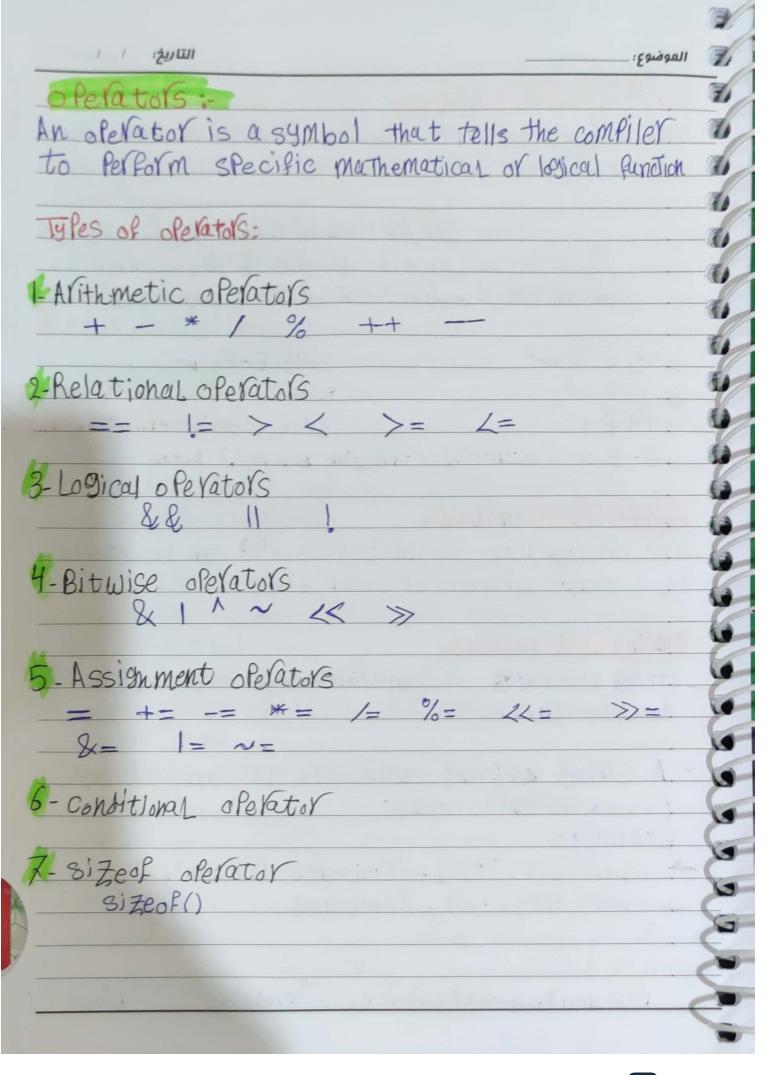
3

5



الموضوع:	Z
5-Semantic error	7
semantic errors are the errors that occurred when	74
the statements are not understandable by the ampiler	36
Example:	6
1 use of an uninitialized Varible	1
2-errors in expressions	-
3 Array in Jex out of bound	
4 type compatibility	10
	4
Literals:	14
integer Literals:	1
	13
- An integer literal com be a decimal, octal, or	6
hexa decimar constant.	6
110000 0 100	6
- A Prefix specifies the base of radix: ox ox For	6
hexadeciman, of for octal and nothing for decimal	15
ob Forbinary	6
- An inter litral can also havea suffix that is	6
a combination of U, u for unsigned and	-
L I Por Long	•
Example:	9
Suffix Prefix	(
215U 85 Jeelman	6
2154 0x43>hexa	6
210L, 2101 0213->octal	
21041,210UL octallé Xua III mesina	
OXFEEL LL of UV LT //	
Prefix & Toguffix	





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