rules for puo translator trat 1 rogramming C++ Goal: -> Corpetifive Polograming > impouve understanding about behind the stage APP running -> interview Preparation. Bruggra

Key towns in	Priograming language.
1. Program Source co	de lode - instructions uviller by humans
2. Mochine code	- Machine understandable instruction
3. Statement	- type of instruction
4. Syntax	- rules for programing
5 Compiler	- translator that converte  Source code to Hochine code
	source come
6. Interpreter	in one go  Also a translitor [source code to  Hochine code  but line by line.
	but line by line.
	takes one line of source code
	and gives equivalent mochene code.
7 Execution	takes one line of source code and gives equivalent machine code.  Running a program / source code
	Groor due to rustake en
8. Syritans evous	Error due to rustake in Gyntax Coulos of programmy
9. Cogécal evoiex	Errox up logic used by The
	programer [ does not produce evers
Ventine evolu	programmer [ does not produce evers in exention]  - Error that acure during the  own time [execution]
11. Bug	- Any evolor is reffered as buy
	eliminating bugs in program
12 Debugging	is dekupging.
acather to	

(H Duograhung: Definition)	770
CH Parogramming: (Defuntion)	bjærne Strong
>> middle - level	Danish
-> Multi-paradigm	
-> Statically typed	
-> Statically typed -> general purpose	
// > Special Purpose & general purp	OSE.
Special purpose programing language	is designed to be
used in one-specific application	development.
while general purpose language is used for //-> Tow level / Middle level high lev	more than lone application
Total of alstraction is always nike	Los for very low
Level of abstraction. is about nik g for how level language. Complex	iles up Duranis III
eg Asm	Joseph Marang While
lavold Low ruidale	Ligh
Leve lot high average	Low
feltel of Low Hedium	hìgh.
abstraction	
exam / Assembly J. C, C++	Phthon
11-> Statically typed/ Idynamica	ally typed.
every object has to be object	type is defined during
every object has to be object type defined compilate	ion Runtinu
	X = 10 Python

uulti - paradigm different sets of woling class animal { lout << 01+6; ublice.
'virtue/ void Speck()} gerral procedura, Obeject oriented. 698, 603, 611, 613, 617, 20,23 CHT is use c++, that we are going to follow. Tools needed: tools used -> STM CUBE IDE -> (C++ build setting \* text editor [ade editor] Modified for C++ 17 version. \* Compiler \* debugger A command prompt. terms:- console application. // Bample C++ Program. # include L'iostream> / Preprocessor directive for inclusion. before compiler, pue - poucevor will add the iostream file to // Start of program main() is always the first function called by the int main () 8td: cout == "hi" < std: end operating system, it returns a value 1) std:: cout is a printing pergrama that
takes input "hi" and std:: end | [new returno: main () returns O indicating success