Perogramming

Les To instruct computer

perform certain actions

what, how

ng language

Parogramming Language

Les medium by which you interact with computer

cie > Java > C++ > Python etc

Types of languages

-> Machine language > 01

- High level language

3 Low level

3 Assembly language

D, 1] = binary language

Smallest unit through which you can communicate with computer

1 6 8614 0 1 1 00 00000000 110 一子



byte lbyte = 8 bits 4 bytes = 32 bits 100 Mbps Les 100 Mega bits Le bits /8 > speed in bytes

Data types

Tanmay -> String

24 -> Integer

80.80 -> decimal

A -> character

false -> baolean

Paimitive Non Paimitive L3 Integer int, long, byte, short > Decimal gloat, double - character chaer -> boolean boolean int Variables) Oppen case, lower case 2 special Characters (-, \$)
digits (0-9) X New school -abc New-school 2) don't start with digits Newschool New 7 School 3 no spaces 4 no keywords

int NUM = (10); value data type int a; 11 declaration flinitialisation a = 10; a = 30; a 10. syso(a) int c = 10 + 20; int d = c+60; syso(c); /1 30 Syso(d); (190 int e = 10; 0 20 -> e = 20; e = e + 30; Sysole);

Conditionals 20 < 80 if (condition) ? > syso ("inside if block واوو Loops Lo aepeative work while (condition) { Syso ("Hi"); 6,33 nom 1/.5 30,1,2,3,4 int 3/20/6 201/-3 = 2 (num 1.2 = = 0) { syso (even); 57.1 = 0 3 else { Syso Coddy;

Durfind if number is Prime

2, 3, 5, 7, 11, 13, 17, 19, 23.

121

2343....11 XXX

Not Paime

