wing Java Cologic building Software organieer problems solving Steps:problem statement / idea

statement / idea Java data structures:wed to develop android app. 4 manage the data so that we can use it in y big data efficient way Is hardware devices algorithms: Variables:-// integer: - 0,1,3,37,-3,-8...  $\alpha = \frac{5}{2}$  wed to store some info./data G float // decimal :- 2.3, 4.5, 7.37, -3.2 char // character :- 'a', 'B', 'z', 'Z', `<', `+`, `, ', '\$', <sup>`</sup>#<sup>)</sup>, String // collection of :- "Kunal", "ABI2", "12345", "AL#B" :- true, false How to declare a variable: - int a = 5; char b = 'A'; boolean c = false; String d = "ABC123"; float e = 7.23j

int a = 5; // declaring a variable "int  $\alpha = 5$ ; // declaration & initialization int b; // declaration Ill don't need 5 anymore Comment in+ c; // 11 and need 6 4 which is a part of  $b = \alpha + + i$ 5  $\alpha = 6$ code but doesnot get C = b++; executed \*/ b = ++c;G keyword: - are those having some meaning a = 64+5and which can't be used as variable int a, b, c; //declaration 11 initialization of a int abc = 5 // int static = 5 × Kunal Q = 5 int a = 5b = ++a;pre ++a Syso ( a++) > Syso(a); Q = b + + jdecrement :a = aHb = C++; Jyso (a) gmp - c +=b; 15 c = C+b 8+(-1) → b--; 15 -2 a++; c -- j

```
public static void main(String[] args) {
    data type , name the variable, constant value
    int a = 5;
    System.out.println(a); // variable name

a = 6;
    System.out.println(a);

String b = "ABC";
    System.out.println(b);

b = "XYZ";
    System.out.println(b);

boolean c = true;
    System.out.println(c);

char d = 'x';
    System.out.println(d);
```

```
int a = 2;
int b = 3;

int sum = a + b;

System.out.println(sum);

int minus = a - b;
System.out.println(minus);

int mult = a * b;
System.out.println(mult);

int div = a / b;
System.out.println(div);
```