9-1: What is the pumpose of a scanner in Dava Programming?

Ans: A Scanner in Dava used to take input from

usen. Example:

Scanner input = new Scanner (System. in)
int num = input. next Int ();

9-2: Define data types and provide examples of primitive data types in Java.

Ans: Data types define what kind of data a variable can store.

Example of Primitive data types:

int > 1,2,3 etc

double > 3.14, 2.5

chan > 'A', 'b'

boolean > true on false

9-3: What is the role of variable in programming and how they are declared?

Ans: Varibles stone values in memory so that we can use them in laten.

Declaration: data types + variable name.

 $\frac{\text{Ex}:}{}$  int num = 25 double cg = 3.2

Q-4: What is the importance of using meaningful variable names? Preovide examples of good and poon variable naming conventions.

Ans: Meaningful names make code easy to understand

Grand naming: int student Age = 25

double agpa = 4.00.

Paori naming: int a = 25

double b = 4.00

Q-5: Discuss different types of operations and give examples.

Ans:

-> Arithmatic operators: +, -, \* /, 1/0

Ex: int sum = 5+3

-> Relational operations: == , 1= , 7 < , >= <=

boolean is Equal = (5 == 3) // false

-> Logical operators: SS, 11, !

boolean result = (573) 88 (1078)

11 true

 $\rightarrow$  Assignment operators: =, +=, -=,  $\pi$ =, /=,  $\eta$ =

-> Unany Operators: ++, --