Assignment 5

Ans 1 Statically: It is designed to optimise
        language is designed to optimise
        hardware efficiency. So that
        the code you wrote executes as
        quickly

        Dynamic language: It is designed the optimise
        the programmer efficiency, So you
        can implement functionality with less call

Ans 2 variable is used to store the value
        It is a container which is used
        to store
        int age = 25
        her, age is variable.

Ans 3   int age = 25;
        here value is 25
        age is variable
        int is date type

Ans 4 Primitive date type is pre-defined date
        type which is already defined

        Primitive

        Numeric   Non numeric

        int   float   float   Char   Boolean
        Integer   double
        long
        short
        byte

Ans 5 Each variable should be given unique
name is called identifier.

   int money; double accountBalance;
here money & accountBalance are identifiers

  starts with letter, $ and _

Ans 6 operator in java

① Arithmetic :- +, -, *, /, %.
② unary :- ++, --
③ Relation :- ==, !=, >, <, >=, <=
④ logical :- &&, ||, ! (AND, OR, NOT)
⑤ Bitwise :- &, |, ^, ~, <<, >>
⑥ Assignment :- =, +=, -=, *=, /=

Ans 7   ++ :- int a = 10, b = 0, b = ++ a
   (++a)   Sout (a) → 11
           Sout (b) → 11

   (a++)   b = a++
           Sout (a) → 11   a $\boxed{10\ 11}$ B $\boxed{10}$
           Sout (b) → 10

   (--a)   Sout(a) → 9   b = --a
           Sout(b) → 9   a $\boxed{10\ 9}$ b $\boxed{9}$

   (a--)   Sout (a) → 9   b = a--
           Sout (b) → 10   a $\boxed{10\ 9}$ b $\boxed{10}$