

Class work 1 Week 4

(Data, Datatype, Identifiers, and Variables)

A new author is in process of negotiating a contract for a new Kilimanjaro historical novel. The publisher is offering three options. In the first option the author is paid 10,000,000.0/- Tshs upon delivery of the final manuscript and 50, 000,000.0/- Tshs when the novel is published. In the second option, the author is paid 12.5% of the net price of the novel for each copy of the novel sold. In the third option, the author is paid 10% of the net price for the first 4,000 copies sold, and 14% of the net price for the copies sold over 4,000 copies. The author has some idea about the number of copies that will be sold and would like to have an estimate of the royalties generated under each option.

Discuss the following:

- i. Identify all data
- ii. Identify proper datatype for the identified data
- iii. Propose meaningful datatype
- iv. Form variables for each data