Pseudo Code 2.2

Define the variable  $G = 6.67 \times 10^{-11}$   $M = 5.97 \times 1624$  R = 6371 km - 7 km to M so its 6371000  $P_1 = 77$ 

- Ask the user to enter value of T T= input

- Use T to solve for h using the formula

h= (G·H·T2) /3 - R

Finally print the value of h

Nuclear 23.66 = float

for part b]

Do the same except instead of Theing on input, we write 3 more variables

T\_1= Once a Lay 24.60.60 T\_2 = Every 90 min 90.60 T\_3 = Every 45 min

```
Pseudo Code 2.6
  tirst Define the variables
    G= 6.6738 × 10-"
    M = 1.9891 x 1030
  Then ask the user to input the distance & velocity
  1 = input
  VI = Input
 Now we need to find by, and to be that we need to use the quadratic formula (-b+ 1/62-4ac)
To be that need to set variable a, b, c
a= 1
b= - 2GM
  vili
C= V,2 - 2GH/1)
Then we need to use the given formulas to find the other quantities
12= live
T= 27 ( Littz ) ( Tellz)
     li V
e = l1-l1
   lztli
 then print the quantities for le, v2, T, and e
 for part
 Do the same but use properties for the orbits of the Earth & Halley's Comet
instead of user input.
```

to get 1-be, the largest energy per nucleon