```
CS250 HW#
(1) a) +47,0 > 8-64 2s complanent integer rep in boury and hex
     001011112 = 4710 400 0x2F
         offollow the sension
      -13,0 -> 8 bits 2 complement integer rep in binny and hex
   (1)
      000011012 9= 1310
            Jeanplanest +1 hex & ORBY OXF3
      11110011
     C) +47.0,0 >32 by TEEE float rep in broay on 2 hex
         101111.0 = 447.00
         1.01111 , 25 Exposent = 127+5=132,0= 1000 000
          Sign Textonat
           0 1000 0100 0111100 0000 0000 0000
           0×423C0000
      d) -0.37510 + 32 bt IEEE float upn brung and hex
           48 Phon 3786
           0.011=-0.37510
                         Exponer = 127-2= [25= 0111101
             DXBEBODOON 101111101100,0000 0000 0000 0000 → 0xBEC00000
       e) String for 250! In hex
            0×537472696E6720666F722032353021
        f) 12,147,483,649,d7 231
```

1000 0000 0000 0000 0000 0000 0000 0000

33 bits

(2) a) a. stack b. Stack

C. heap

d. Statustata global Lata

e. Desopanh Stack

atabless a, lives 1.2 Captr ponts to address a for takes in deretence of e-ptr.

1.2 < 7+4 so returns too returns !!

117 10.5 man () returns of

time ./ my Program Opt : 0.225 week Dow user 0.005 system 48% cym 0.450 total USV 0.015 system 87%.cpu 0.574 total time . / my Program Un opt: 0.50s

my Pragram Opt is significantly Easter than my Digun Unopt