```
CS250 HW#1
(1) a) +47,0 > 8-64 2s complement integer rep in bacony and hex
     001011112 = 4710 hows 0x2F
    ) -13,0 - 8 6.1/2 2 couplant intour rep in binary and hex
     1111001/2 hex & ORBY OXF3
     000011012 7= 1310
    C) +47.0,0 >32 by IEEE float rep in Linay on 2 hex
        1.01111 · 25 Exprest = 127+5=132,0= 1000 0100
        101111.0 = 447.00
         5.37 Extensit
         0 1000 0100 0111100 0000 0000 0000 0000
         0×423C0000
     d) -0.37510 + 32 by IEEE float you bring and hex
         487 HON 3786
                      Exponer = 127-2= |25= 01111101
         0.011=-0.37510
          e) String for 250! in hex
          0×537472696E6720666F722032353021
```

f) 12,147,483,649,d> 231

1000 0000 0000 0000 0000 0000 0000 0000

33 bits

(2) a. stack

b. Stack

C. heap

d. Statustata global Lata

e. Desomanh Stack

b) at address a, lives 1.2 Cuptor points to address a foo takes in devetonce of e-ptr.

1.2 < 7+4 500 petunes foo returns [1

man () returns of

3) time ./ my Program Opt: 0.225 was Now user 0.00s system 48% cpm 0.450 total
time ./ my Program Un opt: 0.50s user 0.01s system 87% cpm 0.574 total

my Pagram Opt is significantly Easter than my Digumboopt

Treath the States filled the state of the st