EXAM #1   WED 10/3

closed note closed book

One "help sheet" not to exceed 8.5" × 11"
    anything written on both sides

NO CALCULATORS

PARTIAL CREDIT (BASED ON WORK) MAY BE AWARDED

Some questions like
    LAB1 /PRJ1
    PROJ 2
    PRJ 3

    Counting in other numbases
    Understand what number bases really mean

    Predict the output of This code...

    Scanf, printf, while, for, if/else

CORRECTION TO SOL'N
numbase:
    #4 should be   101111
    #6 should be 10000 1001

Additional Correction:

evalexpr #32 should
be 1.000000

```c
float p = 3.1415f, q = 2.719f;
int   i = 35,   j = 7500;


printf("%4d %6d", i, j);        ␣␣35 ␣␣␣7500

printf("%d %d", i, j);          35 ␣7500

printf("%f %f", p, q);          3.141500 ␣2.719000
printf("%.3f %.4f", p, q);

                                3.142 ␣2.7190


printf("%6.3f %8.2f", p, q);

␣3.142          ␣␣␣␣␣2.72
```
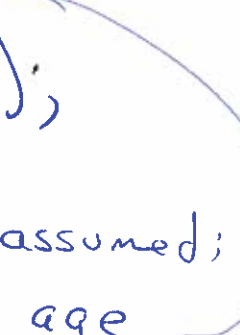
```c
// ask user age - Then tell them how old
// they will be on their next bday

   printf("How old are you?  ");
   scanf("%d", &age);  // age assumed;
                       // int age

   age = age + 1;
   printf("on your next bday you will be %d years old\n", age);
```