```
SE 185: Lab 01 - Getting to Know the 185 Environment
 - Name:
   Section:
    NetID:
   Date:
                     Includes
 #include <stdio.h>
                        Implementation
int main(int argc, char *argv[])
   int number = 2021; // Change the zero to a different number.
   printf("%d", number);
   printf("\n");
   printf("kenschue"); // Change this to your NetID.
    printf("\n");
    return 0;
 enschue@C01318-17 /cygdrive/u/Fall2021/SE185/Lab01
$ ./lab01-output
2021
kenschue
censchue@C01318-17 /cygdrive/u/Fall2021/SE185/Lab01
$ ./lab01-output | ./lab01-input > NETID.txt
censchue@C01318-17 /cygdrive/u/Fall2021/SE185/Lab01
$ ./lab01
Hello World!
$ ./lab01-input
Value before input: 0
Type a number: 28
Type your NetID: kenschue
```

```
3/*----
          SE 185: Lab 01 - Getting to Know the 185 Environment
   Name: Kenneth Schueman
   Section: 6
- NetID: kenschue
 - Date: 9/2/2021
   Here is a block comment.
    These lines don't run when you compile or run the code.
    I.e., they're the machine doesn't see them, only you.
 #include <stdio.h>
                            Implementation
int main(int argc, char *argv[])
₹{
    // This is a C comment, this line doesn't run in the program
    printf("Hello World!"); // Modify this line
    printf("\n"); // This prints a newline character
    return 0; // This is a return statement
               SE 185: Lab 01 - Getting to Know the 185 Environment
      - Name:
         Section:
        NetID:
      - Date:
 9
 11
     #include <stdio.h>
 12
 13
     #include <stdlib.h>
 14
     - Implementation
 15
 16
 17
 18
      int main(int argc, char *argv[])
 19
    □{
 20
         /* DO NOT EDIT THIS FILE */
 21
        char net id[1000];
 23
        int number = 0;
 24
 25
        printf("\nValue before input: %d\n", number);
 26
 27
        printf("\nType a number: ");
 28
        scanf("%d", &number);
 29
 30
        printf("Type your NetID: ");
 31
        scanf("%s", net_id);
 32
 33
         printf("\nYour input was %d ", number);
 34
         printf("and your ISU email is %s@iastate.edu", net_id);
 35
 36
         return 0;
 37
 38
```

```
Binerry > Decimal
  Decimal > Binary
                                                                                                                                                                                               (10010011)=(1,3)+(0+3)+(0,3)+(1,3)+(0.3)+(0.3)+(1+3)
      10-0 Hexadecimal > Decimal
                                                                                                                                                                                                 +(1.2)=147,0
                                                  (F)6=(15.16°)=(15)10
      15-1
                                                  (DF)_{ig} = (13 \cdot K^{1}) + (15 \cdot K^{0}) = 3 \cdot 3_{i0}  (||||||)_{2} = (1 \cdot 2^{5}) + (1 \cdot 2^{4}) + (1 \cdot 2^{3}) + (1 \cdot 2^{2}) + (1 \cdot 2^{5}) +
      F8-0
        17-1
                                                     (81) R= (8.16) + (1.16) = (129) 10
        142-0
         121-1
                                              Decimal + Octal 1 Octal + Decimal
           10-0
            137=(7.8)+(7.8)=18 1
15-0 (10)/8=1=7 137=(7.8)+(7.8)=18 1
                                                    11/8=0=1
      7255-1
                                                    (42)/8=5=2
     137-1
                                                         (5)/8=0=5
      163-1
                                                     (255)/8=7
         131-1
                                                         (31)/7=7
                                                       13/18=3
                                                   (15)/8=7
             TI -1
                                                     (1/8=1
              15-1
                17-1
                                                    (233)/8=1
                 13-1
                                                     (29)/8=5
                                                         131/8=3
1233
                                                  (129/18=1
m
                                                       (16)/8=0
  55
                                                            (8)/8=2
   157
    13
                                                         1147/8=3
     16
                                                         (18)/8=2
      13
                                                            13/18=8
      TI
                                                          (63)/8=7
                                                           17/19=7
```

Kenneth Schwenen #6 SE185

Decimal	Binary	actal	Hexadeinal
1	00000000	1	1
10	0101	12	Α
47	00001	52	As
765	11111111	377	FF
15	1111	17	F
5-5-3	110 11111	351	DF
129	10000001	90	81
147	loolooll	223	93
63	111111	77	3F
18	10010	99	12