```
LAB 1_1
                            SE 185 Lab 01
       Developed for 185-Rursch by T.Tran and K.Wang
 Name: James Mechikoff
 Section: C
  NetID: 726219551
- Date: 8/28/
______
* /
Here is a block comment
 These lines don't run
/*-----
                                     Includes
_____
* /
#include <stdio.h>
/*-----
Implementation
______
*/
int main()
{
  // This is a C comment, this line doesn't run in the program
  printf("Howdy"); // Modify this line
  printf("\n"); // This prints a newline character
  return 0; // This is a return statement
}
```

```
amesm47@C02018-23 /cygdrive/u/se185/lab1
$ gcc -o lab1 lab1_1.c
jamesm47@C02018-23 /cygdrive/u/se185/lab1
$ /lab1
-bash: /lab1: No such file or directory
jamesm47@C02018-23 /cygdrive/u/se185/lab1
$ /lab1.exe
-bash: /lab1.exe: No such file or directory
jamesm47@C02018-23 /cygdrive/u/se185/lab1
$ 1s
lab1.exe lab1_1.c 'new 1.txt'
jamesm47@C02018-23 /cygdrive/u/se185/lab1
$ /lab1.exe
-bash: /lab1.exe: No such file or directory
jamesm47@C02018-23 /cygdrive/u/se185/lab1
$ ./lab1.exe
Howdy
/*-----
                                   SE 185 Lab 01
           Developed for 185-Rursch by T.Tran and K.Wang
   Name: James Mechikoff
  Section: C
  NetID: 726219551
   Date: 8/28/2018
* /
/*-----
                                       Includes
______
#include <stdio.h>
                                        Implementation
int main()
   int num = 666; // Change the zero to a different number
   printf("%d", num);
   printf("\n");
   printf("726219551"); // Change this to your netID
   printf("\n");
```

```
return 0;
}
```

```
jamesm47@CO2018-23 /cygdrive/u/se185/lab1
$ gcc -o lab1output lab1_output.c

jamesm47@CO2018-23 /cygdrive/u/se185/lab1
$ ./lab1output.exe
0
YOUR NETID HERE

jamesm47@CO2018-23 /cygdrive/u/se185/lab1
$ gcc -o lab1output lab1_output.c

jamesm47@CO2018-23 /cygdrive/u/se185/lab1
$ ./lab1output.exe
666
726219551
```

```
SE 185 Lab 01
       Developed for 185-Rursch by T.Tran and K.Wang
 Name: James Mechikoff
  Section: C
  NetID: 726219551
  Date: 8/28/2018
/*-----
#include <stdio.h>
#include <stdlib.h>
/*-----
                          Implementation
______
int main()
  /* DO NOT EDIT THIS FILE */
  char id [1000];
  int num = 0;
```

```
printf("Value before input: %d\n", num);

printf("Type a number: ");
scanf("%d", &num);
printf("\n");

printf("Type your netID: ");
scanf("%s", id);
printf("\n");

printf("Your input was %d ", num);
printf("and your ISU email is %s@iastate.edu\n", id);

return 0;
}
```

```
jamesm47@CO2018-23 /cygdrive/u/se185/lab1
$ gcc -o lab1output lab1_input.c
jamesm47@CO2018-23 /cygdrive/u/se185/lab1
$ ./lab1input.exe
-bash: ./lab1input.exe: No such file or directory
jamesm47@CO2018-23 /cygdrive/u/se185/lab1
$ gcc -o lab1input lab1_input.c
jamesm47@CO2018-23 /cygdrive/u/se185/lab1
$ ./lab1input.exe
Value before input: 0
Type a number: 6

Type your netID: 6666
Your input was 6 and your ISU email is 6666@iastate.edu
```

Piping Practice

## **Companion Homework**

They are on the next two pages.

-15'		
<b>⇒</b>		
***	Decimal > Binary	Decimal + Hexidecimal
⇒ ⇒	1> 1 1:s the same.	is the sone
<b>a</b>	10 > 1010	IO→A
<b>3</b>	1010 \$+7 = 10	After 9 you use letters A to F. F being 15.
<b>a</b>	42-101010	The closest mulital of
•	101010	16 to 472 is 37. This is 20 in Hex Add 10 in hex to get there 265 → FF
• 17	265 → 1111111 128+64+32+16+8+4+2+1=255	Highest muliple is 240, 240 is F.
*	Decimal - Octal 171 1is the same	Hexa decimal -> Decind Hex -> Binor F > 15. F > 1111 F = 14 = 15 total formal to Decimal then
	10 → 12 lowest divisable is remainder of Z.	10 -4-7 1.011111
	42 → 57.	816+1   178   178644161814122+1=1786 816+1   81 → 10000001   To Decimal the Dinary
1[]]	Closest divisable is	5 5, Ot > 4  100000001  100000001  100000001  1000000
	255:377 Closest is 344 remole 30	

Hex to Octob Binery to Decime! F-> 17 10010011-3147 Consert to Decompt DIE 11 147 18 5 8 embrder 7 111111763 DF > 337 50 = 1-5-14-8-46S - ICX + Decirel + Octal C108454 +0 223 Binery to Cital 773 8 100 100 II → 233 7 24 3 Conct o decirpl 117 3 -194 1850 3 2 3 É---105 4-12 FF6 [1111 HEX & Decimal & Octo Concert to obtaine! 129 8 63 8 -128 16 8 56 7 -6 z 7 0 Binory to Hex 04-14 100 10011 1001 0011 93 Both use 4 11111 1100 11.15 3 F 3