Exercise 2:

Write a program to print "Hello World" using system call.

Output:

subi@subi-HP:~/assembly$ ./soln2.out

Hello world!

Exercise 3:

Write a simple program that receives the age of a person as input and outputs whether the person is eligible for voting or not.(Assume minimum voting age as 18).

Output:

subi@subi-HP:~/assembly$ ./soln3.out

Enter your age
12
Not Eligible for voting

subi@subi-HP:~/assembly$ ./soln3.out

Enter your age
21
Eligible for voting

Exercise 4:

Write a program that performs conversion between Celsius scale and Fahrenheit scale. User should input the desired conversion. Decimal places are not required but good if included.

Output:

subi@subi-HP:~/assembly$ ./soln4.out

Enter the choice
1 celsius to fahrenhiet
2 fahernhiet to celsius
3 exit

1
Enter the celsius
50
The result =122

Enter the choice
1 celsius to fahrenhiet

2 fahernhiet to celsius
3 exit

2
Enter the fahrenhiet
50
The result =10

Enter the choice
1 celsius to fahrenhiet
2 fahernhiet to celsius
3 exit
3

Exercise 5:

Write a simple calculator program.

Mandatory operations
1. Addition
2. Subtraction
3. Left shift
4. Right shift
5. Binary and
6. Binary or
7. Binary not

Bonus operations
   1. Multiplication
   2. Division

Output:

subi@subi-HP:~/assembly$ ./soln5.out

CALCULATOR

Enter the choice of your operation
1 Addition 2 Subtraction 3 Multiplication 4 Division 5 AND 6 OR 7 NOT 8 LeftShift 9 RightShift
10 Exit
1
Enter the first operand
10
Enter the second operand
12
The result =22

Enter the choice of your operation
1 Addition 2 Subtraction 3 Multiplication 4 Division 5 AND 6 OR 7 NOT 8 LeftShift 9 RightShift
10 Exit
2

Enter the first operand
12
Enter the second operand
10
The result =2

Enter the choice of your operation
1 Addition 2 Subtraction 3 Multiplication 4 Division 5 AND 6 OR 7 NOT 8 LeftShift 9 RightShift
10 Exit
3
Enter the first operand
4
Enter the second operand
4
The result =16

Enter the choice of your operation
1 Addition 2 Subtraction 3 Multiplication 4 Division 5 AND 6 OR 7 NOT 8 LeftShift 9 RightShift
10 Exit
4
Enter the first operand
8
Enter the second operand
2
The result =4

Enter the choice of your operation
1 Addition 2 Subtraction 3 Multiplication 4 Division 5 AND 6 OR 7 NOT 8 LeftShift 9 RightShift
10 Exit
5
Enter the first operand
7
Enter the second operand
10
The result =2

Enter the choice of your operation
1 Addition 2 Subtraction 3 Multiplication 4 Division 5 AND 6 OR 7 NOT 8 LeftShift 9 RightShift
10 Exit
6
Enter the first operand
7
Enter the second operand
10
The result =15

Enter the choice of your operation
1 Addition 2 Subtraction 3 Multiplication 4 Division 5 AND 6 OR 7 NOT 8 LeftShift 9 RightShift
10 Exit
7
Enter the operand
7

The result =-8

Enter the choice of your operation
1 Addition 2 Subtraction 3 Multiplication 4 Division 5 AND 6 OR 7 NOT 8 LeftShift 9 RightShift 10 Exit
8
Enter the operand
7
The result =14

Enter the choice of your operation
1 Addition 2 Subtraction 3 Multiplication 4 Division 5 AND 6 OR 7 NOT 8 LeftShift 9 RightShift 10 Exit
9
Enter the operand
8
The result =4

Enter the choice of your operation
1 Addition 2 Subtraction 3 Multiplication 4 Division 5 AND 6 OR 7 NOT 8 LeftShift 9 RightShift 10 Exit
10
subi@subi-HP:~/assembly$