output.txt

```
Header File Found!
New Function Declared With Name: Abc
New Variable Declared With Name: i and Type: Int
Valid Function Parameter Declaration!
New Variable Declared With Name: j and Type: Int
Valid Function Parameter Declaration!
New Value Assigned to Variable Name: i and Value: 5
User Defined Function Ended!
Main Function Declared!
New Variable Declared With Name: a and Type: Int
New Value Assigned to Variable Name: a and Value: 6
Valid Syntax For Variable Declaration!
New Variable Declared With Name: b and Type: Int
New Value Assigned to Variable Name: b and Value: 6
Valid Syntax For Variable Declaration!
New Variable Declared With Name: c and Type: Int
New Value Assigned to Variable Name: c and Value: 7
New Variable Declared With Name: d and Type: Int
New Value Assigned to Variable Name: d and Value: 5
Valid Syntax For Variable Declaration!
New Variable Declared With Name: x and Type: Float
New Value Assigned to Variable Name: x and Value: 7.500000
Valid Syntax For Variable Declaration!
New Variable Declared With Name: y and Type: String
New Value Assigned to Variable Name: y and Value: "abc"
Valid Syntax For Variable Declaration!
New Value Assigned to Variable Name: c and Value: 3
New Value Assigned to Variable Name: b and Value: 8
Add Value: 11.000000
New Value Assigned to Variable Name: a and Value: 11
Sub Value: 5.000000
New Value Assigned to Variable Name: a and Value: 5
Remainder Value: 2
New Value Assigned to Variable Name: a and Value: 2
```

```
Mul Value: 24.000000
New Value Assigned to Variable Name: a and Value: 24
Div Value: 2.666667
New Value Assigned to Variable Name: a and Value: 2
Power Value: 512.000000
New Value Assigned to Variable Name: a and Value: 512
Div Value: 2.666667
Add Value: 10.666667
Add Value: 13.666667
New Value Assigned to Variable Name: a and Value: 13
Greater Than Value: 1
New Value Assigned to Variable Name: a and Value: 1
Less Than Value: 0
New Value Assigned to Variable Name: a and Value: 0
Equal To Value: 0
New Value Assigned to Variable Name: a and Value: 0
Not Eqaul To Value: 1
New Value Assigned to Variable Name: a and Value: 1
Less Than or Equal To Value: 0
New Value Assigned to Variable Name: a and Value: 0
Greater Than or Equal To Value: 1
New Value Assigned to Variable Name: a and Value: 1
Value After Increment: 2
New Value Assigned to Variable Name: c and Value: 2
Value After Decrement: 1
New Value Assigned to Variable Name: c and Value: 1
Value After NOT Operation: 0
New Value Assigned to Variable Name: c and Value: 0
Value of Sin(8.000000): 0.139173
New Value Assigned to Variable Name: c and Value: 0
Value of Cos(8.000000): 0.990268
New Value Assigned to Variable Name: c and Value: 0
Value of Tan(8.000000): 0.140541
New Value Assigned to Variable Name: c and Value: 0
Value of Log(8.000000): 0.903090
New Value Assigned to Variable Name: c and Value: 0
```

```
Value of Ln(8.000000): 2.079442

New Value Assigned to Variable Name: c and Value: 2

8 is An Even Number

Factorial of 8 is: 40320

Max Number Between 8.000000 and 2.000000 is: 8.000000

New Value Assigned to Variable Name: a and Value: 8

Min Number Between 8.000000 and 2.000000 is: 2.000000

New Value Assigned to Variable Name: a and Value: 2

8 is Not A Prime Number

Abc Function is Called!

b Passed as Parameter For Function!

c Passed as Parameter For Function!

Valid Function Call!

Printing Value of the variable a: 2

Equal To Value: 0

If Block is Not Executed!

Printing Value of the variable a: 2

If Block is Successfully Handled!

Equal To Value: 1

Else If Block is Executed!

Printing Value of the variable a: 2

Else If Block is Successfully Handled!

Else Block is Not Executed!

Printing Value of the variable a: 2

Else Block is Successfully Handled!

New Variable Declared With Name: l and Type: Int

Valid Syntax For Variable Declaration!

For Loop Started!

Variable Correctly Assigned to Loop!

Loop is of Increasing Manner!

For Loop Variable Declaration is Correct!

Printing Value of the variable b: 8

For Loop Execution Finshed!

While Loop Started!

Variable Correctly Assigned to Loop!

While Loop Variable Declaration is Correct!
```

```
Printing Value of the variable c: 2

While Loop Execution Finshed!

Switch Case Started!

Printing Value of the variable a: 2

Switch Case No: 8 is Ignored!

Printing Value of the variable b: 8

Switch Default Case is Executed!

Switch Execution Finshed!

Single Line Comment

Multiple Line Comment

Program Successfully Ended!
```