

SECTION 1(NESTED IF-ELSE)

PROB1:

C:\Windows\System32\cmd.exe

```
C:\Users\info soft\Downloads>gcc sec1_prob1.c -o sec1_prob1.exe  
C:\Users\info soft\Downloads>sec1_prob1.exe  
enter your age: 24  
you are a young adult  
C:\Users\info soft\Downloads>
```

PROB2:

C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19041.264]  
(c) 2020 Microsoft Corporation. All rights reserved.  
C:\Users\info soft\Downloads>gcc sec1_prob2.c -o sec1_prob2.exe  
C:\Users\info soft\Downloads>sec1_prob2.exe  
enter a number: 6  
it is a positive number  
the number is even  
C:\Users\info soft\Downloads>
```

SECTION 2(LOGICAL OPERATORS):

PROB1:

C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Downloads>gcc sec2_prob1.c -o sec2_prob1.exe

C:\Users\info soft\Downloads>sec2_prob1.exe
enter a number: 15
the number is divisible by both 3 and 5
C:\Users\info soft\Downloads>_
```

PROB2:

C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Downloads>gcc sec2_prob2.c -o sec2_prob2.exe

C:\Users\info soft\Downloads>sec2_prob2.exe
enter your age: 19
enter your nationality or citizenship: p
you are eligible to vote
C:\Users\info soft\Downloads>_
```

SECTION 3(TERNARY OPERATOR):

PROB1:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Downloads>gcc sec3_prob1.c -o sec3_prob1.exe

C:\Users\info soft\Downloads>sec3_prob1.exe
enter 1st number: 7
enter 2nd number: 12
number 12 is greater
C:\Users\info soft\Downloads>_
```

PROB2:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Downloads>gcc sec3_prob2.c -o sec3_prob2.exe

C:\Users\info soft\Downloads>sec3_prob2.exe
enter a number: -67
number is negative
C:\Users\info soft\Downloads>sec3_prob2.exe
enter a number: 0
number is zero
C:\Users\info soft\Downloads>_
```

SECTION 4(BIT-WISE OPEARTORS):

C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Downloads>gcc sec4_prob1.c -o sec4_prob1.exe

C:\Users\info soft\Downloads>sec4_prob1.exe
enter 1st number: 2
enter 2nd number: 9
the 1st number now is: 9
the 2nd number now is: 2
C:\Users\info soft\Downloads>
```

SECTION 5(MODULUS OPERATOR):

PROB1:

C:\Windows\System32\cmd.exe

```
C:\Users\info soft\Downloads>gcc sec5_prob1.c -o sec5_prob1.exe

C:\Users\info soft\Downloads>sec5_prob1.exe
enter the year: 2000
2000 is a leap year
C:\Users\info soft\Downloads>_
```

MORE PROBLEMS : 'D

PROB1:

C:\Windows\System32\cmd.exe

```
C:\Users\info soft\Downloads>gcc prob1.c -o prob1.exe
```

```
C:\Users\info soft\Downloads>prob1.exe
```

```
enter 1st number: 2
```

```
enter 2nd number: 5
```

```
enter 3rd number: 3
```

```
5 is the greatest number
```

```
C:\Users\info soft\Downloads>
```

PROB2:

C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19041.264]
```

```
(c) 2020 Microsoft Corporation. All rights reserved.
```

```
C:\Users\info soft\Downloads>gcc prob2.c -o prob2.exe
```

```
C:\Users\info soft\Downloads>prob2.exe
```

```
enter your total exam score: 80
```

```
enter your attendance: 85
```

```
enter your total assignment score: 90
```

```
your final percentage is 82.50
```

```
your final grade is a C
```

```
C:\Users\info soft\Downloads>
```

PROB3:

C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Downloads>gcc prob3.c -o prob3.exe

C:\Users\info soft\Downloads>prob3.exe
enter 1st number: 2
enter 2nd number: 7
num1&num2= 2
num1|num2= 7
num1^num2= 5
~num1= -3
~num2= -8
num1<<1= 4
num2<<1= 14
num1>>1= 1
num2>>1= 3
C:\Users\info soft\Downloads>
```

PROB4:

C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Downloads>gcc prob4.c -o prob4.exe

C:\Users\info soft\Downloads>prob4.exe
enter your age: 19
enter your income: 30000
enter your credit score: 70
All conditions are met. You are elligibile for a loan
C:\Users\info soft\Downloads>
```