DATABASE SYSTEM
BSCS-4

Lab 9

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TASK 1:

(1)

START:
INP
STA NUM
INP
OR NUM
OUT
HLT
NUM: .data 1 0

```
EXECUTING...
Enter Inputs, the first of which must be an Integer: 0
Enter Inputs, the first of which must be an Integer: 1
Output:  1
EXECUTION HALTED NORMALLY due to the setting of the bit(s): [HALT-BIT]
```

(2)
START:
INP
STA NUM
INP
NAND NUM
OUT
HLT
NUM: .data 1 0

```
EXECUTING...
Enter Inputs, the first of which must be an Integer: 1
Enter Inputs, the first of which must be an Integer: 0
Output:  -1
EXECUTION HALTED NORMALLY due to the setting of the bit(s): [HALT-BIT]
```

(3)
START:

INP
STA NUM
INP
NOR NUM
OUT
HLT
NUM: .data 1 0

```
EXECUTING...
Enter Inputs, the first of which must be an Integer: 1
Enter Inputs, the first of which must be an Integer: 1
Output:  -2
EXECUTION HALTED NORMALLY due to the setting of the bit(s): [HALT-BIT]
```

(4)
START:
INP
STA NUM
INP
XOR NUM
OUT
HLT
NUM: .data 1 0

```
EXECUTING...
Enter Inputs, the first of which must be an Integer: 1
Enter Inputs, the first of which must be an Integer: 0
Output:  1
EXECUTION HALTED NORMALLY due to the setting of the bit(s): [HALT-BIT]
```

(5)
START:
INP
STA NUM
NOT NUM
OUT
HLT

NUM: .data 1 0

```
EXECUTING...
Enter Inputs, the first of which must be an Integer: 1
Output:  -2
EXECUTION HALTED NORMALLY due to the setting of the bit(s): [HALT-BIT]
```