Problem A.

checkBytes Function Pseudo Code

```
1: function UNSIGNED CHAR* CHECKBYTES(numPtr, order)
2:     return (unsigned char*) numPtr + order
3: end function
```

Main Function Pseudo Code

```
1: Declare num as unsigned int
2: Read hexadecimal value into num from user input
3: for i = 3 to 0 step −1 do
4:             ▷ Loop from the most significant byte to the least significant byte
5:     Call checkBytes with &num and i
6:     Store the returned unsigned char pointer in ptr
7:     Print the value pointed by ptr in hexadecimal format
8: end for
9: return 0                                                    ▷ End program
```

Problem B.

checkBytes Function Pseudo Code

```
1: function UNSIGNED CHAR* CHECKBYTES(numPtr, order)
2:     return (unsigned char*) numPtr + order
3: end function
```

Main Function Pseudo Code

```
1: Declare num as unsigned int
2: Read hexadecimal value into num from user input
3: for i = 3 to 0 step −1 do
4:         ▷ Loop from the most significant byte to the least significant byte
5:     Call checkBytes with &num and i
6:     Store the returned unsigned char pointer in ptr
7:     Print the value pointed by ptr in hexadecimal format
8: end for
9: return 0                                                    ▷ End program
```