**Pseudo code**

**FUNCTION** getSelection()

**WHILE TRUE**:

**INPUT** Selection

**IF** Selection == “Encrypt” **OR** Selection == “Decrypt” **THEN**

**RETURN** Selection

**ELSE**

**OUTPUT** “Enter Encrypt or Decrypt only”

**LOOP**

**END FUNCTION**

**FUNCTION** getKey()

**WHILE TRUE**:

**INPUT** Key

**IF** Key >= 1 **AND** Key <= 26

**RETURN** Key

**ELSE** :

**OUTPUT** “Enter a key between 1-26”

**EXCEPT** ValueError**:**

**OUTPUT** “Integer Only”

**LOOP**

**END FUNCTION**

**FUNCTION** getMessage()

**WHILE TRUE**:

**INPUT** Message

**IF** Letter in Message **THEN**

**RETURN** Message

**ELSE**

**OUTPUT** “The Message contains no letters”

**LOOP**

**END FUNCTION**

currentKey = getKey()

selection = getSelection()

**IF** Selection == Decrypt **THEN**

currentNumber = CapitalA

**WHILE** currentLoop < currentKey:

**WHILE** currentNumber = < CapitalZ:

currentLetter = CHR(currentNumber)

**OUTPUT** currentNumber+ “:” + currentLetter

currentNumber = currentNumber + 1

**LOOP**

currentNumber = currentNumber - 26

currentLoop = currenLoop + 1

**LOOP**

**ELSE**

currentNumber = CapitalZ

**WHILE** currentLoop < currentKey:

**WHILE** currentNumber = < CapitalA:

currentLetter = CHR(currentNumber)

**OUTPUT** currentNumber+ “:” + currentLetter

currentNumber = currentNumber + 1

**LOOP**

currentNumber = currentNumber + 26

currentLoop = currenLoop + 1

**LOOP**

**END IF**