NWOSU PAUL CHIDUBEM

18/ENG05/037

MECHATRONICS ENGINEERING

ENG 224

Start up:

Due to the rapid spread of coronavirus (Covid-19), our human race has to be safe. Hence I will create an application that would run on an advanced biomedical machine that would be able to detect and scan for any symptoms or sign related to this virus, it could also search for any abnormalities for other viruses. This would be possible due to existing documents inputted into the program. It would have a web access to who (world health organization) so as it would allow the user to be able to retrieve and upload data after a series of testing and treatments the patient.

Hardware features

LED'S

Sensors(thermal biometric)

Scanner

Processor

Ram

Secondary storage memory e.g. hard disk

Software features

It would use an operating system e.g. graphical user interface (GUI).

It would use an A.I operator to control alot of user related specific functions.

ALGORITHM

S= success

E= error

Step 1: start

Step 2: input X

Step 3: If X=S

Print ‘positive’

Else If Y=E

Print ‘negative’

Else

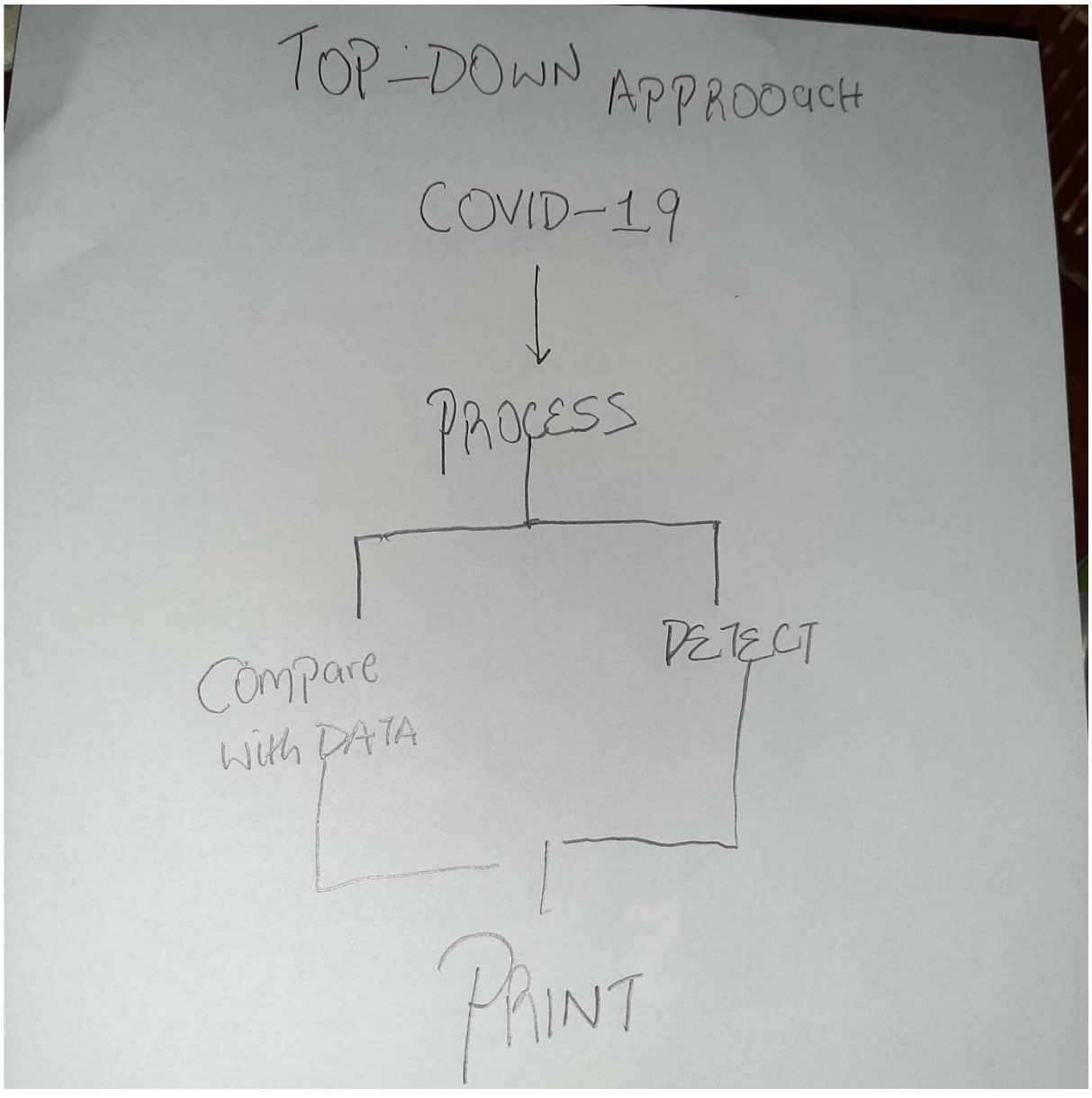
Wrong code inputted

Step 4: stop

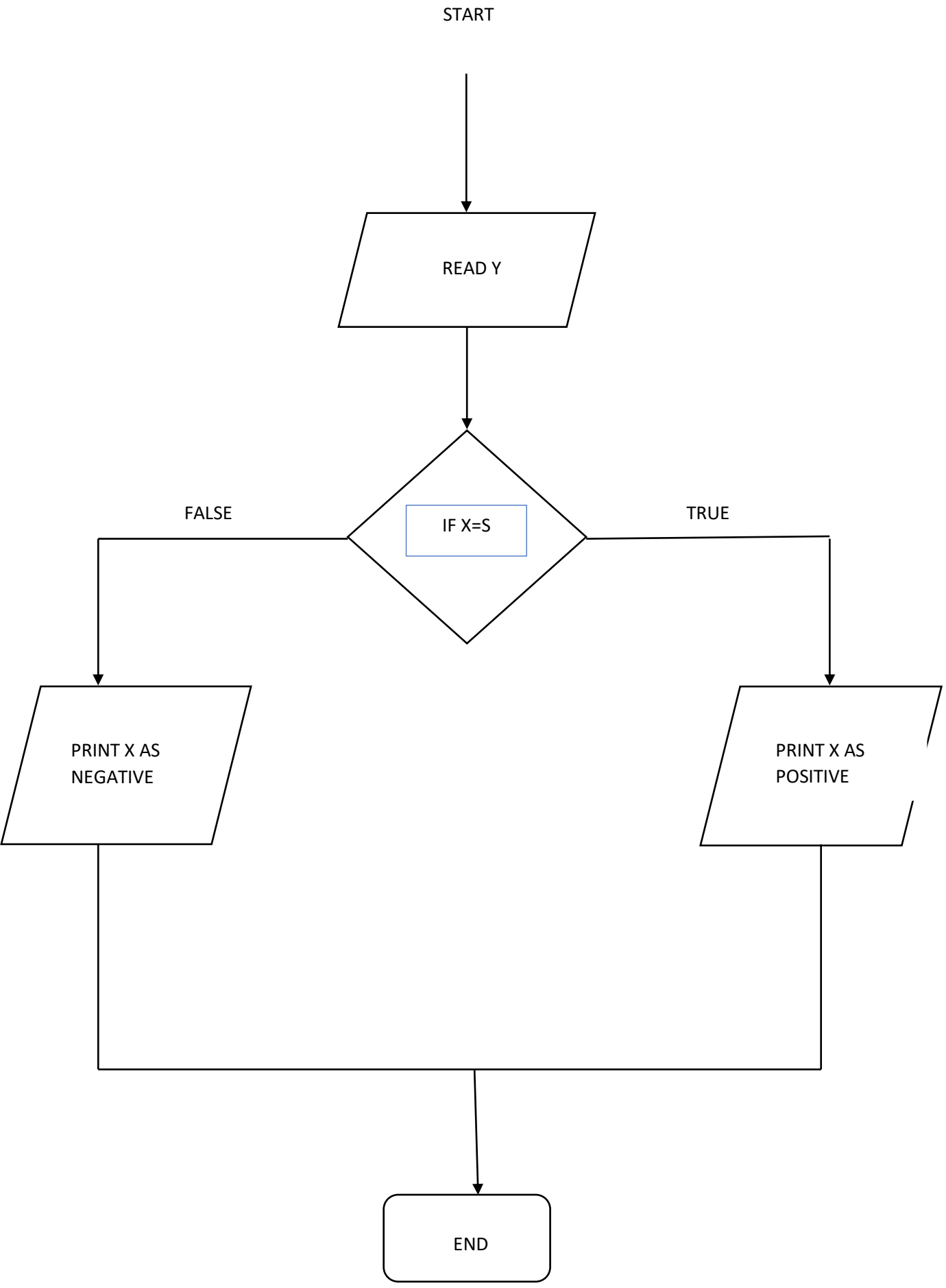
See flow chart at end of assignment

1. Question 4

Using a top –down design



FLOW CHART


START
READ Y
IF X=S
FALSE
TRUE
PRINT X AS NEGATIVE
PRINT X AS POSITIVE
END