



Q22.

a) i) outsourcing is the use through the 'world wide web' to collect ideas and construct its own intranet within the bank. For example, the ~~company~~ could go to other sites and see other websites HTML sources and collect them and use ~~them~~ on to the intranet within its own company. ^{the source}

ii) the implication of ~~to~~ outsourcing ^{relates to} the constraints and ethical issues, the ~~constraints~~ ~~is~~ technical constraints are that if the developer uses other sources which is not his/her own will ~~be~~ be hard to define ~~the~~ the program. Sources such as variables etc. the ethical issue brings to a copyright issue which most ~~of~~ sources outside the company (owned by others) are copyrighted. therefore ~~if~~ if the developer ~~wants~~ wants to use the sources, he'll need a written permission by other sources' developers saying he/she has permission to use the source to create the software.

iii) Prototyping is one of the steps to be taken during software development. ~~This process enables the~~
Prototyping is a working solution which enables the developer to interact with the software he/she is building and enables him/her to point out all the errors. This process is fast, cheap and reliable which has an advantage for building this software for the company. If the prototype works, the developer is able to use the first model as the final, which is able to reduce the cost of rebuilding another ~~one~~ model. Therefore prototyping can be considered to be included as a step of this software development.

b) i) The symbol ⚡ (not shaded) is the representation of data transfer, which enables to provide details of the process during the data transfer.
The symbol ⚡ (shaded) is the representation of a flag. It is to check if the data transfer was successful or not. A flag can be considered as a Boolean (True/False or Yes/No).

b) ii) The error is in line 12, it says "WHILE NOT cardInslot".
if card is in slot, then it is TRUE, they need to put
"ELSE cardInslot = FALSE" because what happens if the
card is not in slot.

↓

WHILE NOT cardInslot

READ cardslot

IF card is located in card slot THEN

cardInslot = TRUE

ELSE

cardInslot = False

ENDIF

ENDWHILE

P.T.O →

for (iii)

ii)

~~QUESTION~~

PROCEDURE AcceptAndValidatePassword (storedpassword, validated),

BEGIN

set counter = 0

PRINT "ENTER password "

REPEAT

READ password (storedpassword)

~~IF~~ IF password = FALSE THEN

~~REPEAT~~

counter = counter + 1

ENDIF ~~REPEAT~~ ~~counter password~~

UNTIL

~~READ password~~

password = TRUE

IF counter > 3

Eject card .

~~ELSE~~ proceed with transaction.

END IF

END PROCEDURE .

~~QUESTION~~