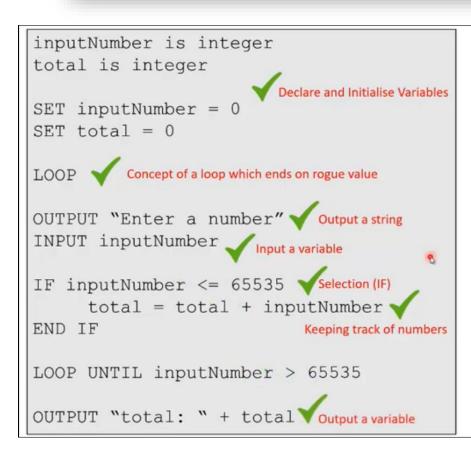
6. An algorithm is required to record a series of whole numbers between 1 and 65535.

The algorithm should:

- accept the
- stop acce

Algorithm mark scheme larger than 65535)

- output the
- output the mean of all the numbers entered
- output the largest number entered
- output the smallest number entered



This is worth 7/9

78% - This is a Grade 9 answer!

Even if you have made a few mistakes you shouldn't lose many/any marks.

Indicative content

Full mark answer

currentNumber is integer maxNo is integer minNo is integer howMany is integer total is integer mean is real

set currentNumber=0 set maxNo =0 set minNo=65535 (or any number > 65535) set howMany=0 set total = 0

repeat (Do)

set mean =0

output "Enter a number:" input currentNumber if currentNumber < 65536 then if currentNumber > maxNo then maxNo= currentNumber endif

if currentNumber <minNo then minNo= currentNumber

howMany=howMany+1

total=total+ currentNumber endif

until currentNumber > 65535 (loop until)

mean=total/ howMany

output "Total:"& total output "Mean:" & mean output "Largest:" & maxNo output "Smallest:" & minNo

End