

**Centre for Business, Information Technology and Enterprise**

**Assignment Cover Sheet**

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| **Assignment Title** |  | |
| **Module Code** |  | |
| **Due Date** |  | |
| **Date** |  | |
| **Tutor Name** |  | |
| **Student Name & ID** | **Name** | **ID** |

**Important**

*Submission of work which is not your own is treated as academic misconduct and may result in exclusion from Waikato Institute of Technology. Penalties are identified in the Institute’s Academic Regulations (a copy is available at the Library).*

**I certify that this is all my own work, except for those parts identified for which references have been made.**

**Student Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# 1 – inputs, variables, simple loop 20 Marks

Paste the text of your batch file below.

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| --- |
| echo off &cls  set /p yourname=Please enter your name:  :GenderLoop  echo Hello %yourname%  set /p gender="Are you Male(M), Female(F) or Other(O): "  if /i '%gender%'=='m' echo Hello, Sir! &goto Finish  if /i '%gender%'=='f' echo Hello, Ma'am! &goto Finish  if /i '%gender%'=='o' echo Hello, Other! &goto Finish  cls &Goto GenderLoop  :Finish  echo Nice to meet you  pause |

Screenshot Evidence pasted below. Evidence required to get marks for batch file.

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# 2 – mathematical operations, simple loop 30 Marks

Paste your batch file text below.

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| echo off &cls  echo This calculator uses a selected operator to calculate two inputted integers.  :Restart  set /p Num1="Please input the first number: " &set /p Num2="Please input the second number: "  :ValidInput  set /p Operator="Please select type of calculation(+,-,\*,/)"  if Not '%Operator%'=='+' if Not '%Operator%'=='-' if Not '%Operator%'=='\*' if Not '%Operator%'=='/' goto ValidInput  set /A Answer=%Num1% %Operator% %Num2%  echo The answer is %Answer%  if '%Answer%'=='0' echo Something went wrong here  set /p Choice="Would you like to have another go(y/n): "  if /i '%Choice%'=='y' goto Restart  pause |

Screenshot Evidence pasted below. Evidence required to get marks for batch file.

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# 3 – variable comparison, counter, user instructions, loop 50 Marks

Paste your batch file text below.

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| --- | --- |
| echo off  color 06  cls  echo This program will generate a random number. The aim of the game is to guess the random number. You will be given hints of Higher! or Lower! in relation to the random number. If you wish to give up just type "giveup".  :Restart  set /A Answer=%RANDOM%  echo (Answer is %Answer%)  set Trys=1  :GuessLoop  set /p Guess="Your guess number %Trys% is? "  if /i '%Guess%'=='giveup' goto Lose  if %Guess% GTR 32767 echo Please enter a number less than 32767 &goto GuessLoop  set /A Trys=%Trys%+1  if '%Guess%'=='%Answer%' goto Victory  if %Guess% LSS %Answer% echo Higher! &goto GuessLoop  if %Guess% GTR %Answer% echo Lower! &goto GuessLoop  :Victory  echo Congratulations on winning  echo you had %Trys% guesses  set /p Choice="would you like to try again (Y,N): "  if /i "%Choice%" == "Y" goto Restart  pause  exit  :Lose  echo The answer was: %Answer%  set /p Choice="would you like to try again (Y,N): "  if /i "%choice%" == "Y"goto Restart  pause  exit |  |

Screenshot Evidence pasted below. Evidence required to get marks for batch file.

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