

BATCHMAN

A BATCH FILE REPORT AND USER MANUAL

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BATCHMAN: THE ESSENCE

BatchMan is a project written using the CLI or the Command Line Interface of Windows OS. It is essentially supposed to be a small project with a few functionalities for usability and to heed boredom (in an easy way). The interface is very clean and easy to read and understand.

ITS FEATURES

- Directory menu
- Simple Calculator
- Old school games
- Web browser
- IP address information
- Theme music player

INTRODUCTION

The batch file opens up with a nice flesh white tone background and with red text. Within it you can read a list of five options to navigate through, a quit option, and also the ability to play theme music (of the project).

DIRECTORY MENU

To open the directory menu, enter [a] or [A] with your keyboard.

```
Directory Menu

What do you want to do?

(a) List current directory
(b) List files in current directory
(c) Create a new text file
(d) Create a new folder(directory)

(z) Go back ...
(q) Quit
```

Within the directory menu you have the ability to do the following:

- List current directory
- List files in current directory
- Create a new text file
- Create a new folder

You also have the ability to go back to the main page, using [z], or quit, using [q].

List current directory

This option allows you to list the current directory that you are working on, or the folder in which the file *BatchMan* was opened. To select this option, enter [a] or [A] with your keyboard.

```
Current working directory:
C:\Users\sofia\Documents\OS\CMD final

Press any key to continue . . .
```

List files in current directory

This option allows you to list all the files and folders that exist in the current working directory, or folder in which *BatchMan* is running. To select this option, enter [b] or [B] with your keyboard.

```
Files/folders in current directory:

compaloompa
testfolder
batchman.bat
helloworld.txt
moewomeow.txt
sofiascalculator.bat
testingtesting.txt
trivia.txt
trivia.txt
triviatroopers.bat

Press any key to continue . . .
```

Create new text file

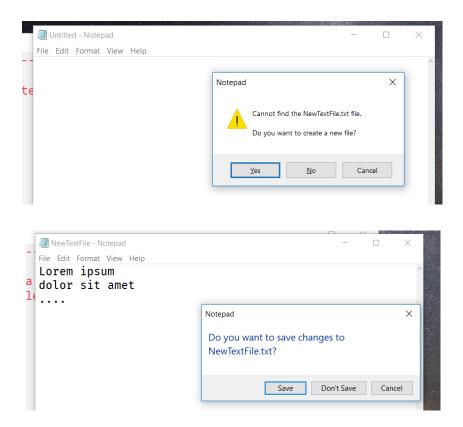
This option allows you to create a new text file in the current working directory.

To create a new text file, you will be prompted to enter a name for the text file. After entering a name using your keyboard, the notepad editor will open and prompt you to create the file. Press [Yes], type whatever you want into your new text file, and finally save and close it to exit.

To select this option, enter [c] or [C] with your keyboard.

```
To create a new text file, enter a name:

>> NewTextFile
```



Create new folder

This option allows you to create a new folder (or directory) in the current working directory.

To create a new folder, you will be prompted to enter a name for the new folder. After entering a name using your keyboard, a new folder will have been created using the name inputted. You can check this by listing the files and folders in the current directory to verify its creation.

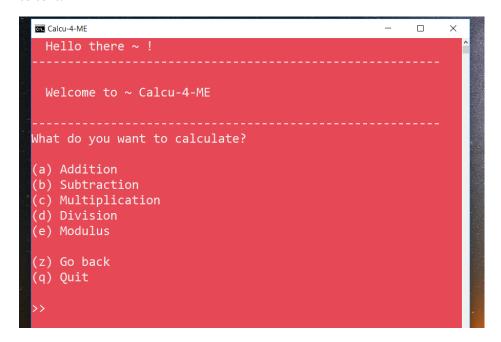
To select this option, enter [d] or [D] with your keyboard.

```
To create a new folder, enter a name:
NewFolder

Press any key to continue . . .
```

CALCULATOR

To use the calculator, enter [b] or [B] with your keyboard. After opening the calculator, you will be greeted with the main page of *Calcu-4-ME*. The background is a bright red with white text.



Within the calculator, you have the ability to do the following functions:

- Addition
- Subtraction
- Multiplication
- Division
- Modulus

You also have the ability to go back to the main page of the calculator, using [z], or quit, using [q].

Addition

This option allows you to use the addition function with two integers. To select this option, enter [a] or [A] with your keyboard.

Firstly, enter your first integer x, then, enter your second integer y. You will finally be presented with the sum of your integers in a nice and quaint equation.

```
Addition

x = 145
+
y = 25

145 + 25 = 170 \(UwU)/

Press any key to continue . . .
```

Subtraction

This option allows you to use the subtraction function with two integers. To select this option, enter [b] or [B] with your keyboard.

Firstly, enter your first integer x, or your minuend, then, enter your second integer y, or your subtrahend. You will finally be presented with the difference of your integers in a nice and quaint equation.

Multiplication

This option allows you to use the multiplication function with two integers. To select this option, enter [c] or [C] with your keyboard.

Firstly, enter your first integer or factor x, then, enter your second integer or factor y. You will finally be presented with the product of your integers in a nice and quaint equation.

Division

This option allows you to use the division function with two integers. To select this option, enter [d] or [D] with your keyboard.

Firstly, enter your first integer x, or your dividend, then, enter your second integer y, or divisor. You will finally be presented with the quotient of your integers in a nice and quaint equation.

```
Division

x = 360
/
y = 12

360 / 12 = 30 \(UwU)/

------

Press any key to continue . . .
```

Modulus

This option allows you to use the modulo function with two integers. To select this option, enter [e] or [E] with your keyboard.

Firstly, enter your first integer x, or your dividend, then enter your second integer y, or your divisor and modulus. You will finally be presented with the remainder of your integers in a nice and quaint equation.

```
Modulus [Remainder after division]

x = 365

y
y = 12

365 % 12 = 5 \(UwU)/

Press any key to continue . . .
```

OLD SCHOOL GAMES

To select this option, enter [c] or [C] with your keyboard. You will be presented with the game centre containing a list of three games, namely:

- Trivia Troopers
- Web Sudoku
- Chess on Lichess

You also have the ability to go back to the main page, using [z], or quit, using [q].

Trivia Troopers

Trivia troopers is a trivia game that quizzes you on ten (10) questions with multiple-choice answers. To select this option, enter [a] or [A] with your keyboard. Within the game, you will be asked questions and prompted to input the correct answer from a list of four choices (a, b, c, and d). A correct answer scores you one point, and your total score is hidden until the end of the game where the accumulation of your correct answers is found in your score out of 10.

```
Welcome to Trivia Troopers

You will be quizzed on 10 questions. Select either a, b, c, d, or q to quit.

Ready to begin? Type [Y] to begin, [z] to go back, or [q] to quit.

Begin? >> Y
```

Question 1

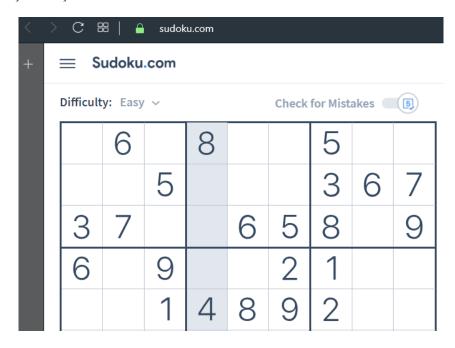
```
TRIVIA TROOPERS

[Q1] What temperature does water boil at?
(a) 78.9 C
(b) 55.0 C
(c) 100.0 C
(d) 90.0 C

>> C
```

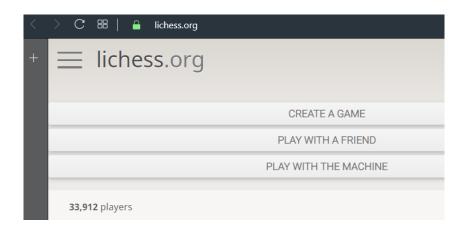
Web Sudoku

This option starts Sudoku on your web browser. Sudoku is a popular logic puzzle game with the goal of filling in a 9x9 grid with numbers from 1-9 so that each row, column, and 3x3 section contain each number once and do not coincide. To select this option, enter [b] or [B] with your keyboard.



Chess on Lichess

This option starts Chess on Lichess on your web browser. Chess is a popular two-player strategy board game that is played on a checkered board with 64 squares arranged in an 8x8 grid. To select this option, enter [c] or [C] with your keyboard.

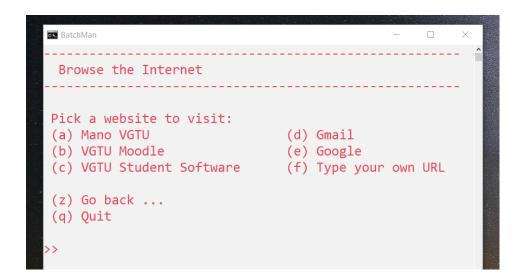


WEB BROWSER

This option allows you to browse the web on your default web browser. To select this option, enter [d] or [D] with your keyboard.

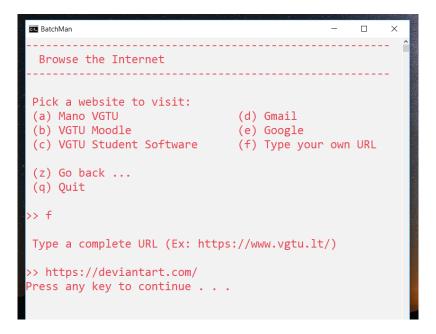
There are five (5) preset websites for you to visit, as well as the option to input your own website URL. The following options are shown below:

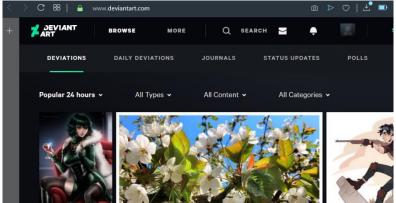
- Mano VGTU website
- VGTU Moodle website
- VGTU Student Software website
- Gmail
- Google
- Any URL or web address you want to visit



To access any of the preset websites, simply enter the letter before the option. (Ex: To open VGTU Moodle website, enter [b] or [B] with your keyboard).

To input your own URL, first enter [f] or [F] with your keyboard, and then type the complete URL of the website you want to visit.





IP ADDRESS INFORMATION

This option allows you to access your IP address information, such as your IPv4 Address and your IPv6 address. To select this option, enter [f] or [F] with your keyboard.

```
Info on your IP

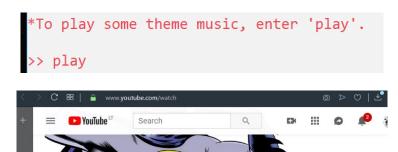
Windows IP Configuration

Ethernet adapter VirtualBox Host-Only Network:

Connection-specific DNS Suffix :
Link-local IPv6 Address : : fe80:
IPv4 Address : : 192.
Subnet Mask : : 255.255.255.0
Default Gateway : :
```

THEME MUSIC PLAYER

The theme music player opens up a window playing a theme song for *BatchMan*. To start the theme song, enter [play] with your keyboard.



BatchMan Secret

The *Batchman* project has a secret that is intended only to be directed to the lecturer of the Operating Systems class of the programmer. The lecturer goes by the name Ms Inga. To reveal the secret, enter [i] or [I] with your keyboard.

The secret is not interesting or intriguing since it is a basic ASCII drawing of a pine tree with an underlying message related to Christmas, the season which is it not at the time of presentation.

No image is placed here as it is supposed to be a secret. (Haha).

QUIT

The quit option is available for selection at all times during the running of *BatchMan*. To quit or exit *BatchMan*, simply enter [q] or [Q] with your keyboard. The program will greet you Goodbye.

The Code

Project *BatchMan* has a total of three (3) files, these include **batchman.bat**, **sofiascalculator.bat**, and **triviatroopers.bat**. To make the readability of this report and access to the files and its code easier, the complete project can be found online in the repository following this address https://github.com/mi-lk/BatchMan/.

batchman.bat

```
@echo off
color FC
title BatchMan
:Begin
cls
echo.
echo Hello world!
echo -----
echo Welcome to ~
echo
echo ))_) /_`) )) )) )\/,) /_`) )\')
echo.
echo -----
echo What do you want to do? ...
echo.
echo (a) Open Directory Menu
echo (b) Use Calculator
echo (c) Play a game
echo (d) Browse the internet
echo (f) Tell me my IP Address
echo.
echo (q) Quit
echo.
echo *To play some theme music, enter 'play'.
echo.
set /P option=">> "
if /I %option%==a goto Dirmenu
if /I %option%==b goto Calc
if /I %option%==c goto Game
if /I %option%==d goto Web
if /I %option%==f goto myIP
if /I %option%==q goto Quit
if /I "%option%"=="play" goto Play
```

```
::Secret
if /I %option%==I goto Christmas
echo Oops! Invalid input.
echo.
pause
goto Begin
:Play
start https://www.youtube.com/watch?v=MmJ64exGII4
goto Begin
echo.
echo Oops! You didn't pick a valid option .. :c
echo.
pause
goto Begin
:Dirmenu
cls
echo.
echo Directory Menu
echo What do you want to do?
echo.
echo (a) List current directory
echo (b) List files in current directory
echo (c) Create a new text file
echo (d) Create a new folder(directory)
echo.
echo (z) Go back ...
echo (q) Quit
echo.
set /P option=">> "
if /I %option%==a goto Cur
if /I %option%==b goto Ls
if /I %option%==c goto Txt
if /I %option%==d goto Fold
if /I %option%==z goto Begin
if /I %option%==q goto Quit
echo.
echo Oops! Invalid input.
pause
goto Dirmenu
```

:Cur cls echo echo. echo Current working directory: echo %cd% echo. echo echo. pause goto Dirmenu
:Ls cls echo echo. echo Files/folders in current directory: echo. dir /b /a /OGN echo. echo pause goto Dirmenu
:Txt cls echo echo. echo To create a new text file, enter a name: set /P name=">> " notepad %name%.txt echo. echo pause goto Dirmenu
:Fold cls echo echo. echo To create a new folder, enter a name: set /P name=">> " mkdir "%name%" echo. echo pause goto Dirmenu

```
start sofiascalculator
goto End
:Game
cls
echo.
echo " +-+-+-+ "
echo " |G|a|m|e| |C|e|n|t|r|e| "
echo " +-+-+-+ "
echo -----
echo What do you want to do?
echo.
echo (a) Trivia Troopers
echo (b) Web Sudoku
echo (c) Chess on Lichess
echo.
echo (z) Go back ...
echo (q) Quit
echo.
set /P option=">> "
if /I %option%==a goto Trivia
if /I %option%==b (
      start https://www.sudoku.com
      goto Game
if /I %option%==c (
      start https://lichess.org
      goto Game)
if /I %option%==z goto Begin
if /I %option%==q goto Quit
echo.
echo Oops! Invalid input
pause
goto Game
:Trivia
start triviatroopers
goto End
```

:Calc

:Web

```
cls
echo -----
echo Browse the Internet
echo -----
echo.
echo Pick a website to visit:
echo (a) Mano VGTU
                             (d) Gmail
echo (b) VGTU Moodle
                             (e) Google
echo (c) VGTU Student Software
                             (f) Type your own URL
echo.
echo (z) Go back ...
echo (q) Quit
echo.
set /P option=" >> "
if /I %option%==a start https://mano.vgtu.lt/
if /I %option%==b start https://moodle.vgtu.lt/
if /I %option%==c start https://studsoft.vgtu.lt/
if /I %option%==d start https://gmail.com/
if /I %option%==e start https://google.com
if /I %option%==f goto WebF
if /I %option%==z goto Begin
if /I %option%==q goto Quit
echo.
echo Oops! Invalid input
pause
goto Web
:WebF
echo.
echo Type a complete URL (Ex: https://www.vgtu.lt/)
echo.
set /P url=" >> "
start %url%
pause
goto Web
:myIP
cls
echo -----
echo Info on your IP
echo -----
ipconfig
echo.
echo -----
echo.
pause
```

goto Begin

```
:Christmas
cls
echo -----
echo -----in-----in-----
echo -----inga-----inga-----
echo -----ingaingainga-----
echo -----ingaingaingainga-----
echo -----ingainga-----
echo -----ingaingainga-----
echo -----ingaingaingainga-----
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echo -----ingaingaingainga-----
echo -----ingaingainga-----
echo -----ingaingaingainga-----
echo -----ingaingainga-----
echo ----ingaingaingaingaingainga-----
echo -----inga-----
echo -----inga-----inga-----
echo -----inga-----
echo -----inga-----i
echo -----inga-----
echo.
echo HI MISS INGA !!! Merry Christmas!!!~
echo
   ok i know its not christmas but look at this tree))
echo.
pause
goto Begin
:Quit
cls
echo.
echo Goodbye, world! ~
echo.
                   .08 .08
echo .oooooo.
                                    .0.
                    "888 "888
echo d8P' 'Y8b
                                     888
echo 888
          echo 888
         d88' `88b d88' `88b d88' `888 d88' `88b `88. .8' d88' `88b Y8P
echo 888
       00000 888 888 888 888 888 888 888 '88..8' 888000888 '8'
       .88' 888 888 888 888 888 888 888
                                   `888'
echo `88.
                                       888
   'Y8bod8P' 'Y8bod8P' 'Y8bod8P' 'Y8bod8P'
                                         .8'
                                             'Y8bod8P' Y8P
echo
                       .o..P'
```

```
echo
echo.
pause
goto End
:End
exit
```

sofiascalculator.bat

```
@echo off
color CF
title Calcu-4-ME
:Start
cls
echo Hello there ~!
echo -----
echo.
echo Welcome to ~ Calcu-4-ME
echo.
echo -----
echo What do you want to calculate?
echo (a) Addition
echo (b) Subtraction
echo (c) Multiplication
echo (d) Division
echo (e) Modulus
echo.
echo (z) Go back
echo (q) Quit
echo.
set /P option=">> "
if /I %option%==a goto Add
if /I %option%==b goto Sub
if /I %option%==c goto Mul
if /I %option%==d goto Div
if /I %option%==e goto Mod
if /I %option%==z goto Back
if /I %option%==q goto Quit
echo Oops! You didn't pick a valid option .. :c
echo.
pause
goto Start
```

```
:Add
cls
echo -----
echo.
echo Addition
echo.
echo -----
echo.
set /P x = "x = "
echo +
set /P y="y = "
set /A sum=x+y
echo.
echo %x\% + %y\% = %sum\% (UwU)/
echo -----
echo.
pause
cls
goto Start
:Sub
cls
echo -----
echo.
echo Subtraction
echo.
echo -----
echo.
set /P x="x = "
echo -
set / P y = "y = "
set /A diff=x-y
echo.
echo %x\% - %y\% = %diff% (UwU)/
echo -----
echo.
pause
cls
goto Start
```

:Mul

```
cls
echo -----
echo.
echo Multiplication
echo.
echo -----
echo.
set /P x="x = "
echo *
set /P y="y = "
set /A prod=x*y
echo.
echo %x\% * %y\% = %prod% (UwU)/
echo -----
echo.
pause
cls
goto Start
:Div
cls
echo -----
echo.
echo Division
echo.
echo -----
echo.
set / P x = "x = "
echo /
set /P y="y = "
set /A quot=x/y
echo.
echo \%x\% / \%y\% = \%quot\% \setminus (UwU)/
echo -----
echo.
pause
cls
goto Start
:Mod
cls
echo.
```

```
echo Modulus [Remainder after division]
echo.
echo -----
echo.
set /P x="x = "
echo %%
set / P y = "y = "
set /A rem=x%%y
echo.
echo %x\% \%\% \%y\% = %rem\% (UwU)/
echo -----
echo.
pause
cls
goto Start
:Back
start batchman
goto End
:Quit
cls
echo.
echo Goodbye, world! ~
echo.
echo .oooooo.
                        .08 .08
                                             .O.
echo d8P' 'Y8b
                         "888 "888
                                               888
echo 888
            echo 888
            d88' '88b d88' '88b d88' '888 d88' '88b '88. .8' d88' '88b Y8P
echo 888
         00000 888 888 888 888 888 888 888 888 '88..8' 888000888 '8'
        .88' 888 888 888 888 888 888 888 888 '888' o .o.
echo 'Y8bood8P' 'Y8bod8P' 'Y8bod8P' 'Y8bod8P' 'Y8bod8P' .8'
                                                       'Y8bod8P' Y8P
                             .o..P'
echo
echo
                             'Y8P'
echo.
pause
goto End
:End
exit
```

triviatroopers.bat

```
@echo off
color FC
title Trivia Troopers
echo.
:Begin
cls
echo.
echo Welcome to Trivia Troopers
echo You will be quizzed on 10 questions. Select either a, b, c, d, or q to quit.
echo.
echo Ready to begin? Type [Y] to begin, [z] to go back, or [q] to quit.
echo.
set /p ok="Begin? >> "
if I \%ok\%==y goto t1
if /I %ok%==z goto Game
if /I %ok%==q goto Quit
echo.
echo Oops! Invalid input. :)
pause
goto Begin
:t1
cls
set score=o
set temp=o
echo TRIVIA TROOPERS
echo [Q1] What temperature does water boil at?
echo (a) 78.9 C
echo (b) 55.0 C
echo (c) 100.0 C
echo (d) 90.0 C
echo.
set /p ans=">> "
if /I %ans%==c (
       set /a score=%score%+1
       set temp=1
if /I %ans%==a set temp=1
if /I %ans%==b set temp=1
if /I %ans%==d set temp=1
if /I %ans%==q goto Quit
if %temp%==1 goto t2
```

```
echo Oops! Invalid input
pause
goto tı
:t2
echo.
set temp=o
echo [Q2] When did the First World War start?
echo (a) 1982
echo (b) 1934
echo (c) 1944
echo (d) 1914
echo.
set /p ans=">> "
if /I %ans%==d (
       set /a score=%score%+1
       set temp=1
if /I %ans%==a set temp=1
if /I %ans%==b set temp=1
if /I %ans%==c set temp=1
if /I %ans%==q goto Quit
if %temp%==1 goto t3
echo.
echo Oops! Invalid input
pause
goto t2
:t3
echo.
set temp=o
echo [Q<sub>3</sub>] Where is the smallest bone in the body?
echo (a) Eye
echo (b) Finger
echo (c) Ear
echo (d) Nose
echo.
set /p ans=">> "
if /I %ans%==c (
       set /a score=%score%+1
       set temp=1
if /I %ans%==a set temp=1
if /I %ans%==b set temp=1
if /I %ans%==d set temp=1
if /I %ans%==q goto Quit
if %temp%==1 goto t4
```

```
echo.
echo Oops! Invalid input
pause
goto t3
:t4
echo.
set temp=o
echo [Q4] What does the Roman numeral 'C' represent?
echo (a) 1000
echo (b) 100
echo (c) 50
echo (d) 500
echo.
set /p ans=">> "
if /I %ans%==b (
       set /a score=%score%+1
       set temp=1
if /I %ans%==a set temp=1
if /I %ans%==c set temp=1
if /I %ans%==d set temp=1
if /I %ans%==q goto Quit
if %temp%==1 goto t5
echo.
echo Oops! Invalid input
pause
goto t4
:t5
echo.
set temp=o
echo [Q5] What nationality was Frederic Chopin?
echo (a) French
echo (b) Italian
echo (c) Belgian
echo (d) Polish
echo.
set /p ans=">> "
if /I %ans%==d (
       set /a score=%score%+1
       set temp=1
if /I %ans%==a set temp=1
if /I %ans%==b set temp=1
if /I %ans%==c set temp=1
if /I %ans%==q goto Quit
```

```
if %temp%==1 goto t6
echo.
echo Oops! Invalid input
pause
goto t5
:t6
echo.
set temp=o
echo [Q6] Who lived at 221B, Baker Street, London?
echo (a) Winston Churchill
echo (b) Stephen Hawking
echo (c) Sherlock Holmes
echo (d) John Lennon
echo.
set /p ans=">> "
if /I %ans%==c (
       set /a score=%score%+1
       set temp=1
if /I %ans%==a set temp=1
if /I %ans%==b set temp=1
if /I %ans%==d set temp=1
if /I %ans%==q goto Quit
if %temp%==1 goto t7
echo.
echo Oops! Invalid input
pause
goto t6
:t7
echo.
set temp=o
echo [Q7] How many states are there in the Unites States of America?
echo (a) 50
echo (b) 51
echo (c) 49
echo (d) 48
echo.
set /p ans=">> "
if /I %ans%==a (
       set /a score=%score%+1
       set temp=1
if /I %ans%==b set temp=1
if /I %ans%==c set temp=1
if /I %ans%==d set temp=1
```

```
if /I %ans%==q goto Quit
if %temp%==1 goto t8
echo.
echo Oops! Invalid input
pause
goto t7
:t8
echo.
set temp=o
echo [Q8] How many dots are there on two dice?
echo (a) 42
echo (b) 56
echo (c) 36
echo (d) 52
echo.
set /p ans=">> "
if /I %ans%==a (
       set /a score=%score%+1
       set temp=1
if /I %ans%==b set temp=1
if /I %ans%==c set temp=1
if /I %ans%==d set temp=1
if /I %ans%==q goto Quit
if %temp%==1 goto to
echo.
echo Oops! Invalid input
pause
goto t8
:t9
echo.
set temp=o
echo [Q9] What language has the most words?
echo (a) Arabic
echo (b) English
echo (c) Italian
echo (d) Chinese
echo.
set /p ans=">> "
if /I %ans%==b (
       set /a score=%score%+1
       set temp=1
)
if /I %ans%==a set temp=1
if /I %ans%==c set temp=1
```

```
if /I %ans%==d set temp=1
if /I %ans%==q goto Quit
if %temp%==1 goto tio
echo.
echo Oops! Invalid input
pause
goto to
:t10
echo.
set temp=0
echo [Q10] Who said, "I think, therefore I am"?
echo (a) Jean Paul Sartre
echo (b) Socrates
echo (c) Aristotle
echo (d) Rene Descartes
echo.
set /p ans=">> "
if /I %ans%==d (
      set /a score=%score%+1
      set temp=1
if /I %ans%==a set temp=1
if /I %ans%==b set temp=1
if /I %ans%==c set temp=1
if /I %ans%==q goto Quit
if %temp%==1 goto done
echo.
echo Oops! Invalid input
pause
goto tio
:done
echo.
echo You have completed all the questions.
pause
cls
echo TRIVIA TROOPERS
echo -----
echo Your total score is: %score%/10
if %score%==10 echo Perfect Scorer!
if %score% GTR 5 echo You did great!~
if %score% LSS 6 echo Aww, shucks! Better luck next time!~
pause
echo.
goto Game
```

```
:Game
start batchman
goto End
:Quit
:Quit
cls
echo.
echo Goodbye, world! ~
echo.
echo .oooooo.
                         .08 .08
                                             .0.
echo d8P' 'Y8b
                         "888 "888
                                               888
echo 888
            echo 888
            d88' '88b d88' '88b d88' '888 d88' '88b '88. .8' d88' '88b Y8P
         00000 888 888 888 888 888 888 888 888 '88..8' 888000888 '8'
echo 888
echo `88.
         .88' 888 888 888 888 888 888 '888' 888
echo 'Y8bood8P' 'Y8bod8P' 'Y8bod8P' 'Y8bod8P'
                                                    .8'
                                                       'Y8bod8P' Y8P
                             .o..P'
echo
                             'Y8P'
echo
echo.
pause
goto End
:End
start batchman
exit
```