Meter Conversion 2016

Enter Value [   ]   ..Select... ▲▼

Naut [   ]

Ft [   ]

Convert

Did you
Know: [   ]

Reset

QUESTION ONE

Create the function definition for **vald()** that will convert the value of the **inputnum field** in to a floating point number and validate it to see if it is outside of the range of **10 to 800000** (**inclusive**). **vald()** function should popup the error **"Measurements Should Be Between 10 and 800000"** and set the value of the **inputnum field** to 10.0 whenever the value is outside of the required range.   [**10 marks**]

QUESTION TWO

Create the function definition for **FYI()** that will convert the value of the **cnaut field** in to a floating point number and convert the value of the **cfoot field** in to a floating point number. Then, if the value of **cnaut** is larger than **21600** then the system should display **"The Earth is 21600 Nautical Miles At The Equator"** in the **cfyi field**; and if the value of **cfoot** is larger than **14000** then the system should display **"Average Depth Of The Ocean Is 14,000 feet"** in the **cfyi field**.   [**10 marks**]

QUESTION THREE

Create a function definition for **doConv()** that will: -

a) call the **vald() function** to validate the numeric value
b) get the selected option from the **unit drop-down list**
c) get the floating point value from the **inputnum field**
d) when the user selects **'meter'** from the drop-down list do the following: -
   a. show **cnaut field** value as: **inputnum * 0.0054**
   b. show **cfoot field** value as: **inputnum * 3.2808**
e) when the user selects **'yard'** from the drop-down list do the following: -
   a. show **cnaut field** value as: **inputnum * 0.0005**
   b. show **cfoot field** value as: **inputnum * 3.0**
f) call the **FYI() function** to show some more information on measurements

[*22 marks*]

QUESTION FOUR

Ensure that the HTML Content have the following **event triggers**: -

a) Call the **doConv() function** whenever the **inputnum field loses focus**.
b) Call the **doConv() function** whenever the **unit drop-down list changes** its selections.
c) Call the **FYI() function** whenever the **cnaut field loses focus**.
d) Call the **FYI() function** whenever the **cfoot field loses focus**.

[*3 x 4 marks*]