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| **Application/ Program name:** | CH7\_EX6.exe |
| **Written by:** | Allen J Myers |

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| **Purpose or problem definition:** |
| Write a program that will allow user to double, reverse, power, sum or terminate the program, given a randomly generated number. |
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| **Program Procedures:** |
| System prompts user with the randomly generated two-digit integer value. System displays a dialogue with operands with different conditions, and prompts user to enter an option depending on operand they would like to do. System will then use the initial randomly generated value, and use the struct that was chosen by the user. System will output the value of the integer formed from the operation and prompt user to continue. |
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| **Algorithm/Processing/Conditions:** |
| **Inputs:** |
| An integer value depending on which operation the user would like to do. |
| **Processes:** |
| System randomly generates a number first before prompting user for operand.  System will take value of operand and perform the aforementioned task. |
| **Outputs:** |
| The value of the integer after the operand is performed, prompt’s user to continue. |
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| **Notes & Restriction:** |
| System must take a value using the only given options. System will only perform one operation at a time. |
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| **Comments:** |
| Simple program to example structs and switch statements. |