

Bash Programming

This number is even and in range.
 This number is odd and out of range.
 This number is even and out of range.

TOTAL POINTS 10

| \\/\- | | |
|------------|---|---------|
| vvfil | ich of the following are requirements for variable names? | 1 point |
| | Every character in the name is uppercase. | |
| | Numbers are not allowed in variable names. | |
| ~ | The variable name starts with a letter. | |
| ~ | Every character in the name is lowercase. | |
| | | |
| Wha | at does the exit status of a program indicate? | 1 point |
| 0 | The exit status of a program indicates how a program will be completed once it's exhausted all of its coo | de. |
| 0 | The exit status of a program indicates the value that was computed by the program. | |
| • | The exit status of a program indicates whether the program was executed successfully or whether an erocurred. | ror |
| 0 | The exit status of a program indicates how many programs were running at the same time as a particular program. | ar |
| Wha | at is printed to the console by the following command? | 1 point |
| | echo Demetrius [[6 -eq 7]] echo Helena && echo Hermia [[7 -gt 4]] | |
| | | |
| | | |
| \bigcirc | Nothing is printed to the console. | |
| 0 | 1 Helena | |
| | 2 Hermia | |
| | | |
| | | |
| | 1 Demetrius | |
| • | 1 Demetrius 2 Hermia | |
| • | | |
| • | | |
| • | | |
| • | 2 Hermia 1 Demetrius | |
| • | 2 Hermia 1 Demetrius | |
| • | 2 Hermia 1 Demetrius | |
| 0 | 2 Hermia 1 Demetrius | 1 point |
| 0 | 1 Demetrius 1 Demetrius 2 Helena nsider the following program called numrange.sh: 1 #!/usr/bin/env bash | 1 point |
| 0 | 1 Demetrius 2 Helena 1 Demetrius 2 Helena 1 #!/usr/bin/env bash 2 # File: numrange.sh | 1 point |
| 0 | 1 Demetrius 2 Helena 1 Demetrius 2 Helena 1 #!/usr/bin/env bash 2 # File: numrange.sh 3 dodd=\$(echo "\$1 % 2" bc) | 1 point |
| 0 | 1 Demetrius 2 Helena 1 Demetrius 4 Helena 1 #!/usr/bin/env bash 2 # File: numrange.sh 3 4 odd=\$(echo "\$1 % 2" bc) 5 6 if [[\$odd -eq 0]] 7 then | 1 point |
| Con | 1 Demetrius 2 Helena 1 Demetrius 2 Helena 1 #!/usr/bin/env bash 2 # File: numrange.sh 3 odd=\$(echo "\$1 % 2" bc) 5 if [[\$odd -eq 0]] 7 then 8 status="even" 9 else | 1 point |
| Con | 1 Demetrius 2 Helena 1 Demetrius 4 Helena 1 #!/usr/bin/env bash 2 # File: numrange.sh 3 odd=\$(echo "\$1 \% 2" bc) 5 if [[\$odd -eq 0]] 7 then 8 status="even" 9 else 10 status="odd" 11 fi | 1 point |
| Con | 1 Demetrius 2 Helena 1 Demetrius 4 Helena 1 #!/usr/bin/env bash 2 # File: numrange.sh 3 odd=\$(echo "\$1 \& 2" bc) 5 if [[\$odd -eq 0]] 7 then 8 status="even" 9 else 10 status="odd" 11 fi 12 13 if [[\$1 -gt 0]] 66 [[\$1 -lt 10]] | 1 point |
| Con | 1 Demetrius 2 Helena 1 Demetrius 2 Helena 1 #!/usr/bin/env bash 2 # File: numrange.sh 3 odd=\$(echo "\$1 % 2" bc) 5 if [[sodd -eq 0]] 7 then 8 status="even" 9 else 10 status="odd" 11 fi 12 12 if [[\$1 -gt 0]] && [[\$1 -lt 10]] 14 then 15 location="in" | 1 point |
| Com | 1 Demetrius 2 Helena 1 Demetrius 2 Helena 1 #!/usr/bin/env bash 2 # File: numrange.sh 3 odd=\$(echo "\$1 % 2" bc) 5 if [[\$odd -eq 0]] 7 then 8 status="even" 9 else 10 status="odd" 11 fi 12 if [[\$1 -gt 0]] && [[\$1 -lt 10]] 14 then 15 location="in" 16 else 17 location="out of" | 1 point |
| Con | 1 Demetrius 2 Helena 1 Demetrius 2 Helena 1 #!/usr/bin/env bash 2 # File: nunrange.sh 3 odd=\$(echo "\$1 % 2" bc) 5 if [[sodd -eq 0]] 7 then 8 status="even" 9 else 10 status="odd" 11 fi 12 if [[\$1 -gt 0]] && [[\$1 -lt 10]] 14 then 15 location="in" 16 else 1 location="out of" 18 fi 19 | 1 point |
| Com | 1 Demetrius 2 Helena 1 Demetrius 2 Helena 1 #!/usr/bin/env bash 2 # File: numrange.sh 3 odd=\$(echo "\$1 % 2" bc) 6 if [[\$odd -eq 0]] 7 then 8 status="even" 9 else 10 status="odd" 11 fi 12 1 13 if [[\$1 -gt 0]] && [[\$1 -lt 10]] 14 then 15 location="in" 6 else 17 location="out of" 8 fi 18 fi 18 fi 18 fi | 1 point |
| Con | 2 Hermia 1 Demetrius 2 Helena 1 #!/usr/bin/env bash 2 # File: numrange.sh 3 odd=\$(echo "\$1 % 2" bc) 5 if [[\$odd -eq 0]] 7 then 8 status="even" 9 else 10 status="odd" 11 fi 12 1 13 if [[\$1 -gt 0]] && [[\$1 -lt 10]] 14 then 15 Location="in" 16 else 17 Location="out of" 18 fi 19 20 echo "This number is \$status and \$location range." | 1 point |
| Con | 1 Demetrius 2 Helena 1 Demetrius 2 Helena 1 #!/usr/bin/env bash 2 # File: numrange.sh 3 4 odd=\$(echo "\$1 % 2" bc) 5 6 if [[\$odd -eq 0]] 7 then 8 | 1 point |

 This number is even and in range.
 This number is odd and out of range.
 - error - too many arguments This number is odd and out of range.
 This number is even and in range.
 This number is even and out of range. This number is even and out of range.
 This number is odd and in range.
 This number is even and out of range. 5. What is the result of the script below? 1 point 1 lab=(jeff roger brian)
2 lab[3]=sean
3 lab=("\${lab[*]}" "\${lab[*]}")
4 echo \${#lab[*]} 2 O 1 O 6 0 9 6. Consider the following program called reqseq.sh: 1 point Which of the commands below would create the following output? 1 1 2 0 1 2 0 1 2 0 1 bash repseq.sh 1 6 2 1 bash repseq.sh 1 9 2 1 bash repseq.sh 1 6 3 l bash repseq.sh 1 9 3 7. What's the purpose of the **local** keyword? 1 point The **local** keyword allows you to create a function such that the function can be used within your shell the same way you would use a command. O The **local** keyword ensures that all of the actions taken by a particular function do not affect the global computing environment.

| | value of that variable. | |
|-----|--|---------|
| | The local keyword stores the value of several variables locally so that they can be accessed later on within a script. | |
| 8. | Which of the following are not part of the Unix Philosophy? | 1 point |
| | A program a should do one thing well. | |
| | Programs should be composable. | |
| | Programs should have easy to understand error messages. | |
| | Programs should be quiet. | |
| | A program should run quickly. | |
| 9. | What actions are taken by the following commands? | 1 point |
| | 1 chmod a+x my_program 2 chmod go-rw my_program | |
| | | |
| | 1. Allows only the owner to execute my_program. 2. Prevents anyone other than the owner from reading or modifying my_program. 1. Allows anyone to execute my_program. 2. Prevents the owner from reading or modifying my_program. 1. Allows anyone to execute my_program. 2. Prevents anyone other than the owner from reading or modifying my_program. 1. Allows only the owner to execute my_program. 2. Prevents the owner from reading or modifying my_program. | |
| 10. | What is one reason you might want to modify the PATH environmental variable? | 1 point |
| | Modifying the PATH makes it easier to switch between programs when you are using multiple shells at once. | |
| | You can make functions available to you on the command line by including the PATH variable inside of the definition of a function. | |
| | You can add a directory containing your own programs to the PATH which allows you to access them on the command line. | |
| | The PATH can be modified in the bash profile which is where aliases are defined. The bash profile is run every time you start a shell. | |
| | I, Piyush Sambhi , understand that submitting work that isn't my own may result in permanent failure of this course or deactivation of my Coursera account. Learn more about Coursera's Honor Code | 6 P P |
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