

```
1  #! /bin/sh
2
3
4
5  clear
6  read -p "Press enter to move from task to task"
7  clear
8
9  #Task 1
10 echo -e "Task 1\n"
11 echo -e "Hello World\n"
12 read
13 clear
14
15 #Task 2
16 echo -e "Task 2\n"
17 while true;
18 do
19     read -p "Please enter an integer: " user_guess
20     if [[ $user_guess =~ ^[+-]?[0-9] ]];then
21         echo -e "\nYou entered $user_guess which is an integer\n"
22         break
23     else
24         echo -e "\nThat is not an integer.  Press Enter to try again.\n"
25         read
26         clear
27     fi
28 done
29 read
30 clear
31
32 #Task 3
33 echo -e "Task 3\n"
34 echo -e "$user_guess times 3 is: $((user_guess * 3)) \n"
35 read
36 clear
37
38 #Task 4
39 echo -e "Task 4\n"
40 for i in {1..20..1}
41 do
42     if [[ $i -eq 7 ]];then
43         echo "$i is a Snowflake"
44     elif [[ $((($i % 2)) -eq 0) ]];then
45         echo "$i is Even"
46     else
47         echo "$i is Odd"
48     fi
49 done
50 echo
51 read
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52 clear
53
54 #Task 5
55 echo -e "Task 5\n"
56 while true;
57 do
58     read -p "Enter a number greater than 13: " user_guess
59     if [[ $user_guess -gt 13 && ( $user_guess -eq $user_guess || $user_guess
... -eq 0 ) ]];then
60         for (( i=1; i<=$user_guess; i++ ))
61         do
62             if [ $i -eq 7 ];then
63                 echo "$i is Lucky"
64             elif [ $i -eq 13 ];then
65                 echo "$i is Unlucky"
66             elif [ $(( $i % 2 )) -eq 0 ];then
67                 echo "$i is Even"
68             else
69                 echo "$i is Odd"
70             fi
71         done
72         break
73     else
74         echo "That isn't ok"
75     fi
76 done
77
78
79 echo
80 read
81 clear
82
83 #Task 6
84 while true;
85 do
86     echo -e "Task 6\n"
87     read -p "Please enter a last name (Burkman): " user_name
88     if [ $user_name == "Burkman" ];then
89         break
90     else
91         clear
92         continue
93     fi
94 done
95 echo
96 clear
97
98 #Task 7
99 echo -e "Task 7\n"
100 counter=0
101 while [[ $counter -lt 10 ]];

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102 do
103     echo -e $counter
104     counter=$((counter+1))
105 done
106 echo
107 read
108 clear
109
110 #Task 8
111 echo -e "\nTask 8\n"
112 small_counter=0
113 large_counter=0
114 for j in {0..30..1}
115 do
116     my_random=$((($RANDOM%21)-10))
117     if [ $my_random -lt $small_counter ]; then
118         small_counter=$my_random
119     elif [ $my_random -gt $large_counter ]; then
120         large_counter=$my_random
121     fi
122 done
123 echo "The low random value is $small_counter"
124 echo "The high random value is $large_counter"
125 echo
126 read -p "Press Enter once more to leave the script"
127
```