Name: Barathkumar J K

Shell scripting project

1) Sum of all positive numbers in an array

2) Reverse the number

```
Note that the problem of the pr
```

3) Palindrome number

```
ubuntu@77d2e6b99e1b5c6:~/shell_exercise$ vi palindrome.sh ubuntu@77d2e6b99e1b5c6:~/shell_exercise$ chmod u+x palindrome.sh ubuntu@77d2e6b99e1b5c6:~/shell_exercise$ ./palindrome.sh Enter the number:
901
109
The number is not palindrome!
ubuntu@77d2e6b99e1b5c6:~/shell_exercise$ ■
```

4) Bubble sort

```
declare -a arr
arr=(10 8 20 100 12)
echo "Entered array:"
echo ${arr[@]}
for ((i = 0; i < 5; i++))
do
        for((j = 0; j < 5-i-1; j++))
                  if [ ${arr[j]} -gt ${arr[$((j+1))]} ];
                  then
                           temp=${arr[j]}
                           arr[$j]=${arr[$((j+1))]}
arr[$((j+1))]=$temp
                           fi
                  done
         done
         echo "sorted arra"
         echo ${arr[@]}
```

```
ubuntu@77d2e6b99e1b5c6:~/shell_exercise$ vi bubble_sort.sh
ubuntu@77d2e6b99e1b5c6:~/shell_exercise$ chmod u+x bubble_
sort.sh
ubuntu@77d2e6b99e1b5c6:~/shell_exercise$ ./bubble_sort.sh
Entered array:
10 8 20 100 12
sorted arra
8 10 12 20 100
```

5) Pascal Triangle

6) Shell program to add two integer values and check if any input is given or not

7) Hello greetings

```
#!/bin/bash
read name
echo "Hello, $name! Welcome to the world of shell scripting!"
```

```
ubuntu@77d2e6b99e1b5c6:~/shell_exercise$ chmod 700 name_greetings.s
h
ubuntu@77d2e6b99e1b5c6:~/shell_exercise$ ./name_greetings.sh
barath
Hello, barath! Welcome to the world of shell scripting!
```