Lab 8 shell scripting

Task-A: Write a shell script lab8-1.sh using vi/nano using if- elif-else condition, to
complete the following steps:
1. Prompt the user to input his/her lucky number.
2. If the input number is equal to 10, then print the message "You got the first prize."
3. If the input number is equal to 8, then print the message – "You got the second prize."
4. If the input number is equal to 999, then print the message – "You got the third prize."
5. If None of the above conditions are true, then print the message – "Sorry, good Luck for
next time."

Input of steps 1-5

```bash
#!/bin/bash
# tells user to enter lucky number
read -p "enter your lucky number: " lucky_number

# checking the conditions of the lucky number put in
if [ "$lucky_number" -eq 10 ]; then
  echo "You got the first prize."
elif [ "$lucky_number" -eq 8 ]; then
  echo "You got the second prize."
elif [ "$lucky_number" -eq 999 ]; then
  echo "You got the third prize."
else
  echo "Sorry, good luck for next time."
fi
```

Output:

```
┌──(sahmer㉿kali-270)-[~]
└─$ chmod +x lab8-1.sh
```

```
┌──(sahmer㉿kali-270)-[~]
└─$ ./lab8-1.sh
Please enter your lucky number:
enter your lucky number: 10
You got the first prize.

┌──(sahmer㉿kali-270)-[~]
└─$ ./lab8-1.sh
Please enter your lucky number:
enter your lucky number: 8
You got the second prize.

┌──(sahmer㉿kali-270)-[~]
└─$ ./lab8-1.sh
Please enter your lucky number:
enter your lucky number: 999
You got the third prize.

┌──(sahmer㉿kali-270)-[~]
└─$ ./lab8-1.sh
Please enter your lucky number:
enter your lucky number: 1200
Sorry, good luck for next time.
```

egrep command.
1. Prompt the user to provide the input which should consists of characters
and numbers
both, and check if the following requirements are satisfied:
2. Only lower-case letter [a-z] and numeric character [0-9] are allowed.
3. The length must be between 4 to 8 digits
Test your script with the following examples:
1. Your input with one upper case
2. The input having length less than 4 digits.

Input 1-3

```
File  Actions  Edit  View  Help
  GNU nano 7.2                                                lab8-2.sh *
#!/bin/bash
# Prompt the user for input using lowercase letters and numbers (4 to 8 characters)
echo "Please enter input using lowercase letters and numbers (4 to 8 characters):"
read user_input

# Use egrep to validate input by the user
if echo "$user_input" | egrep -q '^[a-z0-9]{4,8}$'; then
  echo "Input is validated."
else
  echo "Input not validated. Please follow the steps, input using lowercase letters and numbers (4 to 8 characters
fi
```

Output 1-3

```
┌──(sahmer㉿kali-270)-[~]
└─$ ./lab8-2.sh
Please enter input using lowercase letters and numbers (4 to 8 characters):
sh0
Input not validated. Please follow the steps, input using lowercase letters and numbers (4 to 8 characters).

┌──(sahmer㉿kali-270)-[~]
└─$ ./lab8-2.sh
Please enter input using lowercase letters and numbers (4 to 8 characters):
Shamer00011
Input not validated. Please follow the steps, input using lowercase letters and numbers (4 to 8 characters).

┌──(sahmer㉿kali-270)-[~]
└─$ ./lab8-2.sh
Please enter input using lowercase letters and numbers (4 to 8 characters):
sh001
Input is validated.

┌──(sahmer㉿kali-270)-[~]
└─$
```