Name_Pratham Asnani
Roll_no-063
Batch-s13

Assignment_8

8A

```bash
GNU nano 6.2
#!/bin/bash

# Create C program file
cat <<EOF > Pratham.c
#include <stdio.h>

int main(int argc, char *argv[]) {
    if (argc < 2) {
        printf("Usage: %s <roll_number>\n", argv[0]);
        return 1;
    }
    printf("I, Pratham Asnani, roll number %s wish you a very happy Holi\n", argv[1]);
    return 0;
}
EOF

# Compile the C program
gcc Pratham.c -o Pratham.exe

# Run the compiled program with roll number as parameter
./Pratham.exe 63   # Replace 21 with your actual roll number
```

```
~/Pratham_63$ nano create_and_run.sh
~/Pratham_63$ chmod +x create_and_run.sh
~/Pratham_63$ ./create_and_run.sh
I, Pratham Asnani, roll number 63 wish you a very happy Holi
~/Pratham_63$ █
```

8B

```bash
GNU nano 6.2
#!/bin/bash

# Define an array of days
days=("Sunday" "Monday" "Tuesday" "Wednesday" "Thursday" "Friday" "Saturday")

# Prompt user for index input
read -p "Enter an index (0-6) to get the day: " index

# Validate index and display day
if [[ $index -ge 0 && $index -le 6 ]]; then
    echo "The day at index $index is ${days[$index]}"
else
    echo "Invalid index! Please enter a number between 0 and 6."
fi
```

```
~/Pratham_63$ nano create_and_run.sh
~/Pratham_63$ nano week.sh
~/Pratham_63$ chmod +x week.sh
~/Pratham_63$ ./week.sh
Enter an index (0-6) to get the day: 5
The day at index 5 is Friday
~/Pratham_63$
```

8C

```
  GNU nano 6.2
#!/bin/bash

# Define an array of names
names=("Pratham" "Amit" "Neha" "Rahul" "Priya")

# Prompt user for a name to search
read -p "Enter a name to check: " search_name

# Check if the name is in the array
found=0
for name in "${names[@]}"; do
    if [[ "$name" == "$search_name" ]]; then
        found=1
        break
    fi
done

# Display result
if [[ $found -eq 1 ]]; then
    echo "$search_name is present in the array."
else
    echo "$search_name is not found in the array."
fi
```

```
~/Pratham_63$ nano names.sh
~/Pratham_63$ chmod +x names.sh
~/Pratham_63$ ./names.sh
Enter a name to check: Pratham
Pratham is present in the array.
~/Pratham_63$
```