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1 Addition of a list of numbers

Problem 1 *Take a list of numbers and add them*

Code.

```
#!/bin/bash
a="1_2_3_4_5"
s=0
for var in $a
do
    s=$((var+s))
done
echo "The_result_is:_"$s
```

Output.

```
The result is: 15
```

2 Show contents of a file

Problem 2 *Show the contents of a file*

Code.

```
#!/bin/bash
echo "Enter_filename:_"
read name
cat $name
```

Output.

```
Enter filename:
file
This is a file
This is the second line of the file
Good Bye
```

3 Print even numbers from a set of numbers

Problem 3 *Print even numbers from a set of numbers*

Code.

```
#!/bin/bash
a="1_2_3_4_5_6_7_8_9_10"
for var in $a
```

```
do
    e=$(( var%2))
    if [ $e -eq 0 ]
    then
        echo $var
    fi
done
```

Output.

```
2
4
6
8
10
```

4 Search a number in a list

Problem 4 *Search for a number from a list*

Code.

```
#!/bin/bash
echo "Enter number of elements:_"
read num

echo "Enter the numbers.."

for (( i=0;i<num;i++));
do
    read a[i]
done

echo "Enter the number to be searched:_"
read search

for (( i=0;i<num;i++));
do
    if [ $search -eq ${a[i]} ]
    then
        echo "Found"
    fi
done
```

Output.

```
Enter number of elements:
5
Enter the numbers..
5
4
3
```

```
2
1
Enter the number to be searched:
2
Found
```

5 Search files starting with a letter

Problem 5 *Search files starting with a letter*

Code.

```
#!/bin/bash
ls -l | grep "c"
```

Output.

```
-rw-rw-r-- 1 rudra rudra 44 May 5 00:46 contents.sh
-rw-rw-r-- 1 rudra rudra 265 May 5 01:10 search.sh
```