## **ARRAY IN SHELL SCRIPTING**

## 1. Basic Declaration of array

```
rohan@rohan-virtual-machine: ~/shell
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# /bin/bash/sh
arr=(sham mohan ram raju ganu)
echo "Element in array are"
echo ${arr[*]}
"arr.sh" 8 lines, 105 bytes
```

```
rohan@rohan-virtual-machine: ~/shell

rohan@rohan-virtual-machine: ~/shell$ touch arr.sh
rohan@rohan-virtual-machine: ~/shell$ bash arr.sh

Element in array are
sham mohan ram raju ganu
rohan@rohan-virtual-machine: ~/shell$ vi arr.sh
rohan@rohan-virtual-machine: ~/shell$ vi arr.sh
```

2. Getting input from user and storing it to array

```
rohan@rohan-virtual-machine: ~/shell
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#!/bin/sh
read -p "Enter server names separated by 'space' : " input
for i in ${input[@]}
do
   echo ""
   echo "User entered value :"$i
   echo ""
done
"arr2.sh" 10 lines, 159 bytes
```

3. Finding maximum number from array

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                           rohan@rohan-virtual-machine: ~/shell
#! /bin/bash
ar=(10 30 44 44 69 12 11)
echo "Element in arrays are "
echo "${ar[*]}"
max=${ar[0]}
for n in "${ar[@]}" ; do
    ((n > max)) \&\& max=$n
done
echo "maximum element in array is: $max"
```

```
rohan@rohan-virtual-machine: ~/shell$ vi arr3.sh
rohan@rohan-virtual-machine: ~/shell$ bash arr3.sh
Element in arrays are
10 30 44 44 69 12 11
maximum element in array is: 69
rohan@rohan-virtual-machine: ~/shell$
```

"arr3.sh" 9 lines, 195 bytes

```
rohan@rohan-virtual-machine:~/shell$ touch arr2.sh
rohan@rohan-virtual-machine:~/shell$ bash arr2.sh
Enter server names separated by 'space' : rohan ram ganu shamu

User entered value :rohan

User entered value :ram

User entered value :ganu

User entered value :shamu
```