```bash
#!/bin/bash
i=1
sum=0
until [ $i -ge 11 ]
do
        sum=`expr $sum + $i `
        i=`expr $i + 1 `
done
echo "Sum of first 10 number : $sum "
~
~
```

```
[mca@localhost ~]$ ./p21.sh
Sum of first 10 number : 55
[mca@localhost ~]$
```

```bash
#!/bin/bash
a=1
until [ $a -ge 3 ]
do
        echo "Value of a =$a"
        a=`expr $a + 1`
done

~
```

```
[mca@localhost ~]$ ./p18.sh
Value of a =1
Value of a =2
[mca@localhost ~]$
```

```bash
#!/bin/bash
echo "Capital of state : "
echo "1.Kerala"
echo "2.karnadaka"
echo "3.Thamilnadu"
echo "4.Assam "
read -p "Enter the option : " state
case $state in
        1)echo "Kerala : Trivandrum";;
        2)echo "Karnadaka : Bengaluru";;
        3)echo "Thamilnadu : Chennai";;
        4)echo "Assam : Dispur";;
        *)echo "Invalid option";;
esac
```

```
[mca@localhost ~]$ ./p22.sh
Capital of state :
1.Kerala
2.karnadaka
3.Thamilnadu
4.Assam
Enter the option : 4
Assam : Dispur
[mca@localhost ~]$
```

```bash
#!/bin/bash
select i in add sub mul quit
do
        case $i in
                "add")echo $(($1 +$2));;
                "sub")echo $(($1 -$2));;
                "mul")echo $(($1 *$2));;
                "quit")break;;
                *)echo "Invalid option";;
        esac
done
```

```
[mca@localhost ~]$ vi p20.sh
[mca@localhost ~]$ ./p20.sh 2 3
1) add
2) sub
3) mul
4) quit
#? 1
5
#? 2
-1
#? 3
6
#? 4
[mca@localhost ~]$
```