

Scripts in Day 3 Bash Scripting

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0.1 case

Example 1:

```
#!/usr/bin/bash

echo Enter your name
read name

case "$name" in
    "Mohamed")
        echo "Welcome Mohamed"
        ;;
    "Ahmed")
        echo "Welcome Ahmed"
        ;;
    "Ali")
        echo "Welcome Ali"
        ;;
    *)
        echo "You are not allowed to enter"
        ;;
esac
```

Example 2:

```
#!/usr/bin/bash

# We must add this line so the script can recognize patterns
shopt -s extglob

echo "enter your ch"
read ch

case "$ch" in
    +([a-z]))
        echo "lowercase"
        ;;
    +([A-Z]))
        echo "uppercase"
```

```
;;
+([0-9]))
    echo "number"
;;
+([a-z]|[A-Z]))
    echo "Alphabetic"
;;
+([a-z]|[A-Z]|[0-9]))
    echo "Alphanumeric"
;;
*)
    echo "Special character"
;;
esac
```

0.2 select

```
#!/usr/bin/bash

select n in "select 1 to ls" "select 2 to ls -l" "select 3 to exit"; do
    case $n in
        "select 1 to ls")
            ls
            ;;
        "select 2 to ls -l")
            ls -l
            ;;
        "select 3 to exit")
            exit
            ;;
        *)
            echo "Invalid option"
            ;;
    esac
done
```

0.3 break & continue

```
#!/usr/bin/bash

# Break
# Continue
for name in $(cat names); do
    if [ $name = alber ]; then
        continue
    else
        echo $name
    fi
done
```

0.4 while

```
#!/usr/bin/bash

num=0

while [ $num -lt 10 ]; do
    echo "Number: $num"
    let num=$num+1
done
```

0.5 while with condition

```
#!/usr/bin/bash

echo "What is my name?"
read name

while [ $name != "mohamed" ]; do
    echo "Wrong answer, please try again"
    echo "What is my name?"
    read name
done

echo "Correct answer!"
```

0.6 for

```
#!/usr/bin/bash

for user in mohamed alber fathy; do
    echo "Hello $user"
done
```

0.7 shift

```
#!/usr/bin/bash

while (($# > 0)); do
    echo $*
    shift
done
```

0.8 until

```
#!/bin/bash

hour=1

until [ $hour -gt 24 ]; do
    case $hour in
```

```
[0-9] | 1[0-1])
    echo "good morning"
    ;;
12)
    echo "lunch time"
    ;;
1[3-7])
    echo "work time"
    ;;
*)
    echo "good night"
    ;;
esac
echo "hour is: $hour"
let hour=$hour+1
done
```