# Shell File Test Operators

| Operator | Description | Example |
|---|---|---|
| **-b file** | Checks if file is a block special file; if yes, then the condition becomes true. | [ -b $file ] is false. |
| **-c file** | Checks if file is a character special file; if yes, then the condition becomes true. | [ -c $file ] is false. |
| **-d file** | Checks if file is a directory; if yes, then the condition becomes true. | [ -d $file ] is not true. |
| **-f file** | Checks if file is an ordinary file as opposed to a directory or special file; if yes, then the condition becomes true. | [ -f $file ] is true. |
| **-g file** | Checks if file has its set group ID (SGID) bit set; if yes, then the condition becomes true. | [ -g $file ] is false. |
| **-k file** | Checks if file has its sticky bit set; if yes, then the condition becomes true. | [ -k $file ] is false. |
| **-u file** | Checks if file has its Set User ID (SUID) bit set; if yes, then the condition becomes true. | [ -u $file ] is false. |
| **-r file** | Checks if file is readable; if yes, then the condition becomes true. | [ -r $file ] is true. |
| **-w file** | Checks if file is writable; if yes, then the condition becomes true. | [ -w $file ] is true. |
| **-x file** | Checks if file is executable; if yes, then the condition becomes true. | [ -x $file ] is true. |
| **-s file** | Checks if file has size greater than 0; if yes, then condition becomes true. | [ -s $file ] is true. |
| **-e file** | Checks if file exists; is true even if file is a directory but exists. | [ -e $file ] is true. |