

PERL -X FUNCTION

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Description

This function is a file test, where X is one of the letters listed below. Its unary operator takes one argument, either a filename or a filehandle, and tests the associated file to see if something is true about it.

If the argument is omitted, tests \$_

Syntax

Following is the simple syntax for this function:

```
-X FILEHANDLE  
  
-X
```

Return Value

This function returns 1 if condition is true or 0 if condition is false.

```
-r File is readable by effective uid/gid.  
-w File is writable by effective uid/gid.  
-x File is executable by effective uid/gid.  
-o File is owned by effective uid.  
  
-R File is readable by real uid/gid.  
-W File is writable by real uid/gid.  
-X File is executable by real uid/gid.  
-O File is owned by real uid.  
  
-e File exists.  
-z File has zero size (is empty).  
-s File has nonzero size (returns size in bytes).  
  
-f File is a plain file.  
-d File is a directory.  
-l File is a symbolic link.  
-p File is a named pipe (FIFO), or Filehandle is a pipe.  
-S File is a socket.  
-b File is a block special file.  
-c File is a character special file.  
-t Filehandle is opened to a tty.  
  
-u File has setuid bit set.  
-g File has setgid bit set.  
-k File has sticky bit set.  
  
-T File is an ASCII text file (heuristic guess).  
-B File is a "binary" file (opposite of -T).  
  
-M Script start time minus file modification time, in days.  
-A Same for access time.  
-C Same for inode change time
```

Example

Following is the example code showing its basic usage:

```
stat($filename);  
print "Readable\n" if -r _;  
print "Writable\n" if -w _;
```

```
print "Executable\n" if -x _;  
print "Setuid\n" if -u _;  
print "Setgid\n" if -g _;  
print "Sticky\n" if -k _;  
print "Text\n" if -T _;  
print "Binary\n" if -B _;  
  
# Another way of testing  
if( -e $filename ){  
print " File $filename exists\n";  
}
```

When above code is executed, it produced following result