

```
1  #!/bin/bash
2
3  #Touch a file if not already in existence and set its permissions
4
5  echo -n "Enter a filename: "
6  read filename
7
8  filepath="$PWD/$filename"
9
10 if [ -e "$filepath" ]; then
11     echo "File already exists...exiting."
12 else
13     touch "$filepath"
14     echo "File created."
15     echo -n "Enter a permission code for the file (**): "
16     read permission
17     chmod "$permission" "$filepath"
18
19     if [ "$permission" = 777 ]; then
20         echo "All users have rwx permissions."
21     elif [ "$permission" = 666 ]; then
22         echo "All users have rw permissions."
23     elif [ "$permission" = 444 ]; then
24         echo "All users have r permissions."
25     else
26         echo "Permissions have been set to $permission"
27     fi
28 fi
```