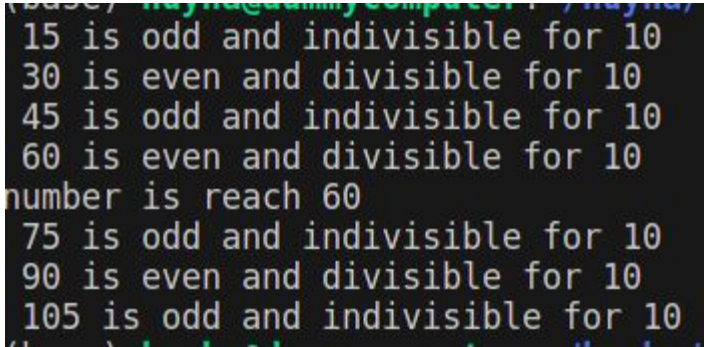
# Practice 2

**Write a script that prints the numbers from 15 to 115 (distance between 2 number is 15). Additionally:**

1. **Highlight reaching 60:** When the script encounters the number 60, print a message indicating it reached 60.
2. **Identify odd/even:** For each number, determine if it's odd or even and print that information alongside the number.(optional)
3. **Divisibility by 10:** Indicate if the number is divisible by 10 (a multiple of 10)(optional)



# Homework 1

1. Create file test1.txt and test2 directory in /home/user (~)
2. Write script to find if the files in /home/user is directory or file or other type.

```
(base) huyha@dummycomputer:~/huyha/homework/Huyha-Learning/baschscript$ ls ~
a.out  Desktop  Documents  Downloads  homework  huyha  miniconda3  Music  Pictures  Public  R  snap  Templates  test2  Videos
```

```
(base) huyha@dummycomputer:~/huyha/homework/Huyha-Learning/baschscript$ ./homework2.sh
a.out is file
Desktop is directory
Documents is directory
Downloads is directory
homework is directory
huyha is directory
miniconda3 is directory
Music is directory
Pictures is directory
Public is directory
R is directory
snap is directory
Templates is directory
test2 is directory
Videos is directory
```

# Awk homework 2

```
Down file using below command
curl -o "./U31362.1.gb" https://www.ebi.ac.uk/ena/browser/api/embl/U31362.1?download=true
cat U31362.1.gb
```

1. Find accession number
2. Find product name
3. Find translation sequence

4. (optional) write script to automatic down file input = list of accession numbers

```
CDS             1..>1524
                /codon_start=1
                /gene="env"
                /product="envelope glycoprotein gp120"
                /db_xref="GOA:Q72858"
                /db_xref="InterPro:IPR000777"
                /db_xref="InterPro:IPR036377"
                /db_xref="UniProtKB/TrEMBL:Q72858"
                /protein_id="AAC55476.1"
                /translation="MGVRGILRNYQQWWIWGILGFWMLMICNVVGNLWVTVYYGVPVWE
                EAKTTLFCASDAKAYETEVHNVWATHACVPTDPNPQEIFLENVTENFNMRKNDMVNQMH
                EDVISLWDQSLKPCVKLTPLCVTLECRQVNVTSNGTQVNATSNGEEIKNIKNCSFNSTT
                EIRDRKQTAYRLFYRLDLVPLDNKNGSNSSKYILINCNTSAITQACPKVTFDPIPIHYC
                TPAGYAILKCNDKTFNGTGPCHNVSTVQCTHGIKPVVSTQLLLNGSLAEEEIIIRSENL
                TDNVKTIIVHLNQSVEIVCTRPNNNTRKSIRIGPGQTFYATGDIIGDIRQAHCNISEAK
                WNETLQRVRKKLAEHFPNKTINFTSSSGGDLEITTHSFNCRGEFFYCNQSGLFNGTYMH
                NGTKGNSSSVITIPCRIKQIINMWQGVGRAMYAPPIEGNITCKSNITGLLLVRDGGLGP
                SNDTETETFRPGGGDMRDNWRSELYKYKVVKIKPLGIAPTTAKRRVVERE"
```