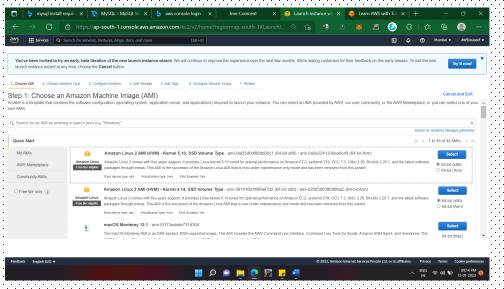
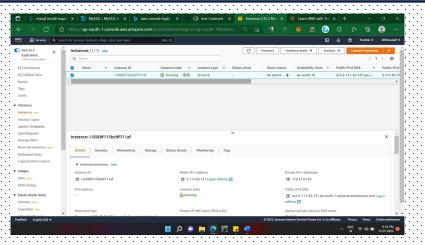


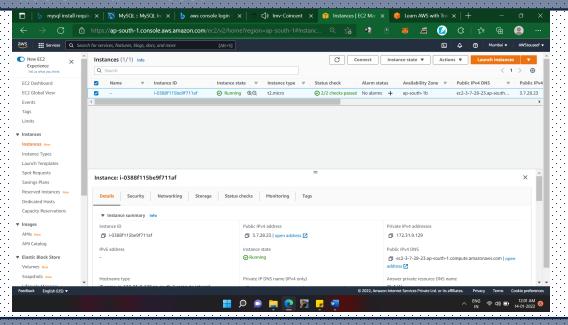
I.Launch the Instance Amazon Linux 2 as shown by clicking on select and after clicking here select t2 instance type(free tier eligible) under choose an instance tab and click review and launch.



After that we choose the instance type, added storage and selected the security group and launched.



Then we allocated the Elastic IP address.

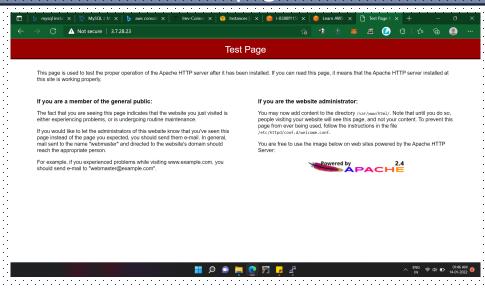


Then we installed the php8.0 and httpd on the EC2 instance.

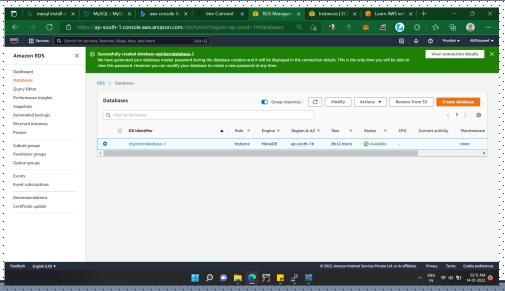
Started the Apache server

```
ec2-user@ip-172-31-9-129:~
                                                                                Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled;
 Drop-In: /usr/lib/systemd/system/httpd.service.d
          hphp-fpm.conf
 Active: active (running) since Thu 2022-01-13 19:10:22 UTC; 14s ago
   Docs: man:httpd.service(8)
Main PID: 4281 (httpd)
 Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec
 CGroup: /system.slice/httpd.service
           -4287 /usr/sbin/httpd -DFOREGROUND
           -4288 /usr/sbin/httpd -DFOREGROUND
           -4289 /usr/sbin/httpd -DFOREGROUND
           -4290 /usr/sbin/httpd -DFOREGROUND
          4291 /usr/sbin/httpd -DFOREGROUND
Jan 13 19:10:21 ip-172-31-9-129.ap-south-1.compute.internal systemd[1]: Starting The Ap
Jan 13 19:10:22 ip-172-31-9-129.ap-south-1.compute.internal systemd[1]: Started The Apac
lint: Some lines were ellipsized, use -1 to show in full.
ec2-user@ip-172-31-9-129 ~]$ sudo systemctl enable httpd
reated symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/l
temd/system/httpd.service.
ec2-user@ip-172-31-9-129 ~]$ sudo systemctl is-enabled httpd
ec2-user@ip-172-31-9-129 ~]$ echo hello
 c2-user@ip-172-31-9-129 ~]$ sudo usermod -a -G apache ec2-user:
```

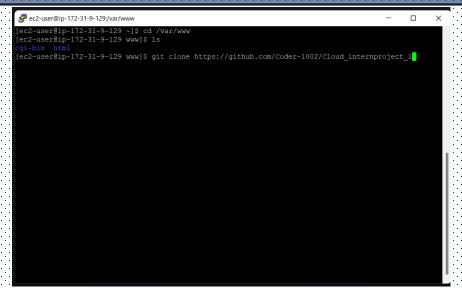
After configuring the server, we can see this page.



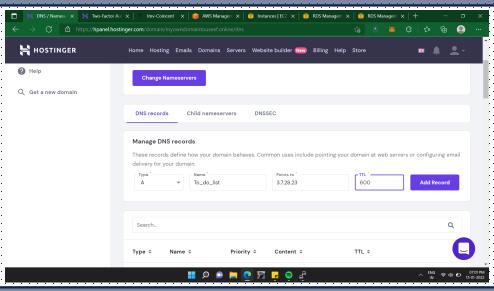
Then we launched the MariaDB instance



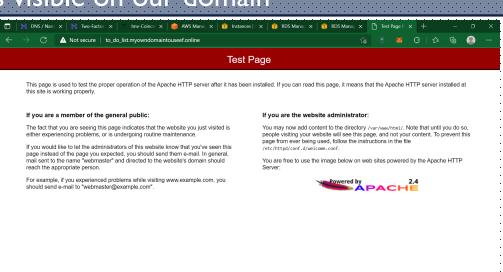
Next, we cloned the git repo inside var/www folder



We setup the DNS record of the domain.



After that this webpage is visible on our domain



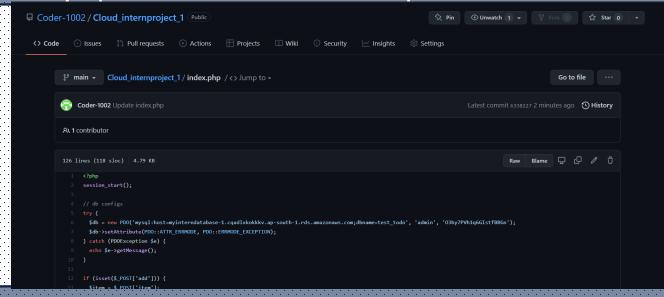
Then we configured the httpd.conf file after that restarted the httpd service.

```
ec2-user@ip-172-31-9-129:/etc/httpd/conf
 GNU nano 2.9.8
                                           httpd.conf
                                                                                Modified
CIfModule mod http2.c>
   Protocols h2 h2c http/1.1
 /IfModule>
<VirtualHost *:80>
        DocumentRoot "/var/www/html/Cloud internproject 1"
        ServerName "to do list.myowndomaintouseef.online
        <Directory /var/www/html/Cloud internproject 1>
                 AllowOverride All
                 allow from all
                 Options +Indexes
</VirtualHost>
   Get Help ^C Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
Exit ^R Read File ^\ Replace ^U Uncut Text^T To Spell ^ Go To Line
```

After that we moved the Cloud internproject I file inside html

```
ec2-user@ip-172-31-9-129 conf]$ sudo systemctl restart httpd
[ec2-user@ip-172-31-9-129 conf]$ cd /var/www
[ec2-user@ip-172-31-9-129 www]$ ls
cgi-bin Cloud_internproject_1 html
[ec2-user@ip-172-31-9-129 www]$ ls
cgi-bin html
[ec2-user@ip-172-31-9-129 www]$ ls
cgi-bin html
[ec2-user@ip-172-31-9-129 www]$ cd html
[ec2-user@ip-172-31-9-129 html]$ ls
Cloud_internproject_1
[ec2-user@ip-172-31-9-129 html]$ ls
Cloud_internproject_1
[ec2-user@ip-172-31-9-129 html]$ ls
Cloud_internproject_1
```

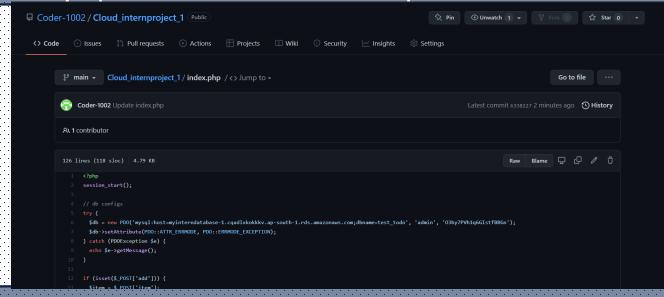
Then we configured the mysql host ,username and the password



Then we used git pull

```
ec2-user@ip-172-31-9-129:/var/www/html/Cloud_internproject_1
                                                                        c2-user@ip-172-31-9-129 html]$ ls
 c2-user@ip-172-31-9-129 html]$ cd Cloud internprojec 1
bash: cd: Cloud internprojec 1: No such file or directory
ec2-user@ip-172-31-9-129 html]$ cd Cloud internproject 1
 c2-user@ip-172-31-9-129 Cloud internproject 1]$ ls
ttribution.md folder.png index.php
 c2-user@ip-172-31-9-129 Cloud internproject 1]$ ls
tribution.md folder.png index.php
 c2-user@ip-172-31-9-129 Cloud internproject 1]$ git pull
 emote: Enumerating objects: 5, done.
 emote: Counting objects: 100% (5/5), done.
emote: Compressing objects: 100% (3/3), done.
 emote: Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
npacking objects: 100% (3/3), 726 bytes | 726.00 KiB/s, done.
rom https://github.com/Coder-1002/Cloud internproject 1
 66d49dd..6338227 main
                               -> origin/main
 dating 66d49dd..6338227
ast-forward
index.php \mid 4 ++-
l file changed, 2 insertions(+), 2 deletions(-)
 c2-user@ip-172-31-9-129 Cloud internproject 1]$ ls
ttribution.md folder.png index.php
ec2-user@ip-172-31-9-129 Cloud internproject 1]$
```

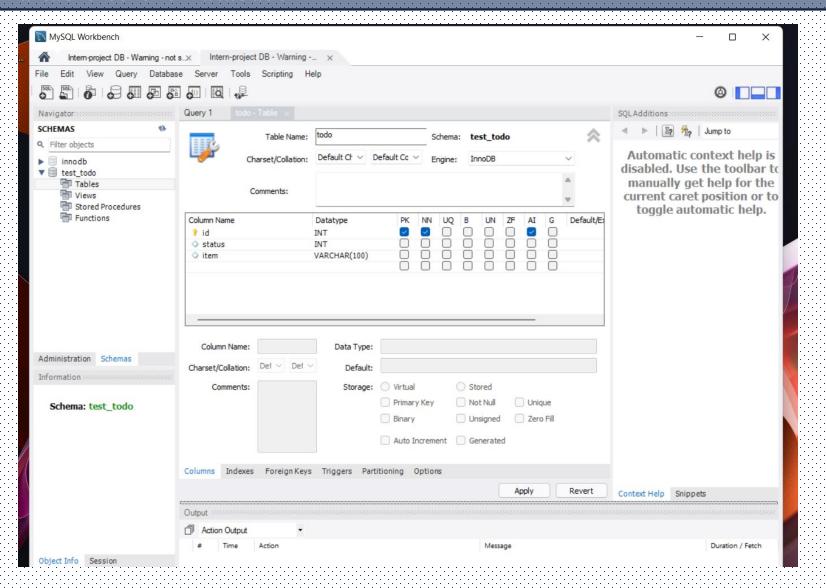
Then we configured the mysql host ,username and the password



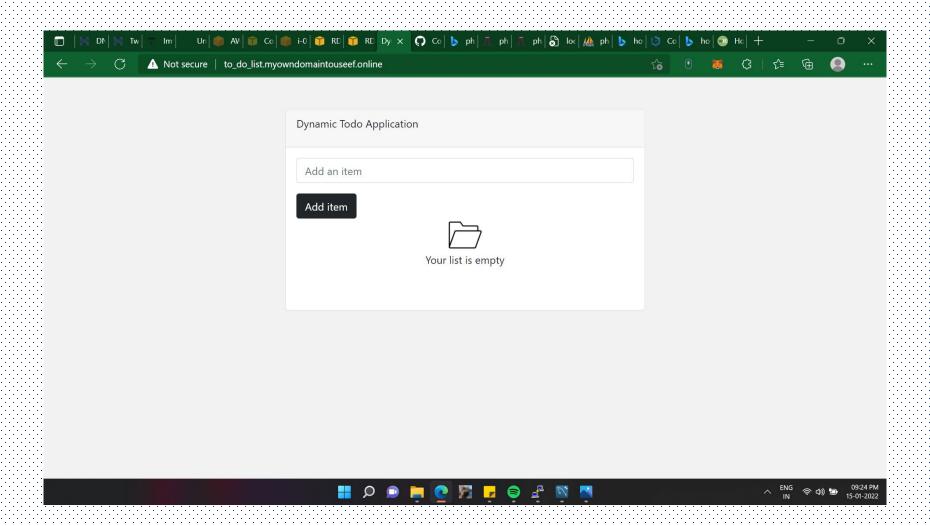
Then we used git pull

```
ec2-user@ip-172-31-9-129:/var/www/html/Cloud_internproject_1
                                                                        c2-user@ip-172-31-9-129 html]$ ls
 c2-user@ip-172-31-9-129 html]$ cd Cloud internprojec 1
bash: cd: Cloud internprojec 1: No such file or directory
ec2-user@ip-172-31-9-129 html]$ cd Cloud internproject 1
 c2-user@ip-172-31-9-129 Cloud internproject 1]$ ls
ttribution.md folder.png index.php
 c2-user@ip-172-31-9-129 Cloud internproject 1]$ ls
tribution.md folder.png index.php
 c2-user@ip-172-31-9-129 Cloud internproject 1]$ git pull
 emote: Enumerating objects: 5, done.
 emote: Counting objects: 100% (5/5), done.
emote: Compressing objects: 100% (3/3), done.
 emote: Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
npacking objects: 100% (3/3), 726 bytes | 726.00 KiB/s, done.
rom https://github.com/Coder-1002/Cloud internproject 1
 66d49dd..6338227 main
                               -> origin/main
 dating 66d49dd..6338227
ast-forward
index.php \mid 4 ++-
l file changed, 2 insertions(+), 2 deletions(-)
 c2-user@ip-172-31-9-129 Cloud internproject 1]$ ls
ttribution.md folder.png index.php
ec2-user@ip-172-31-9-129 Cloud internproject 1]$
```

Then we added a table to the database



After this our website launched SUCCESSFULLY without any errors.





THANK YOU

-Mohammad Touseef