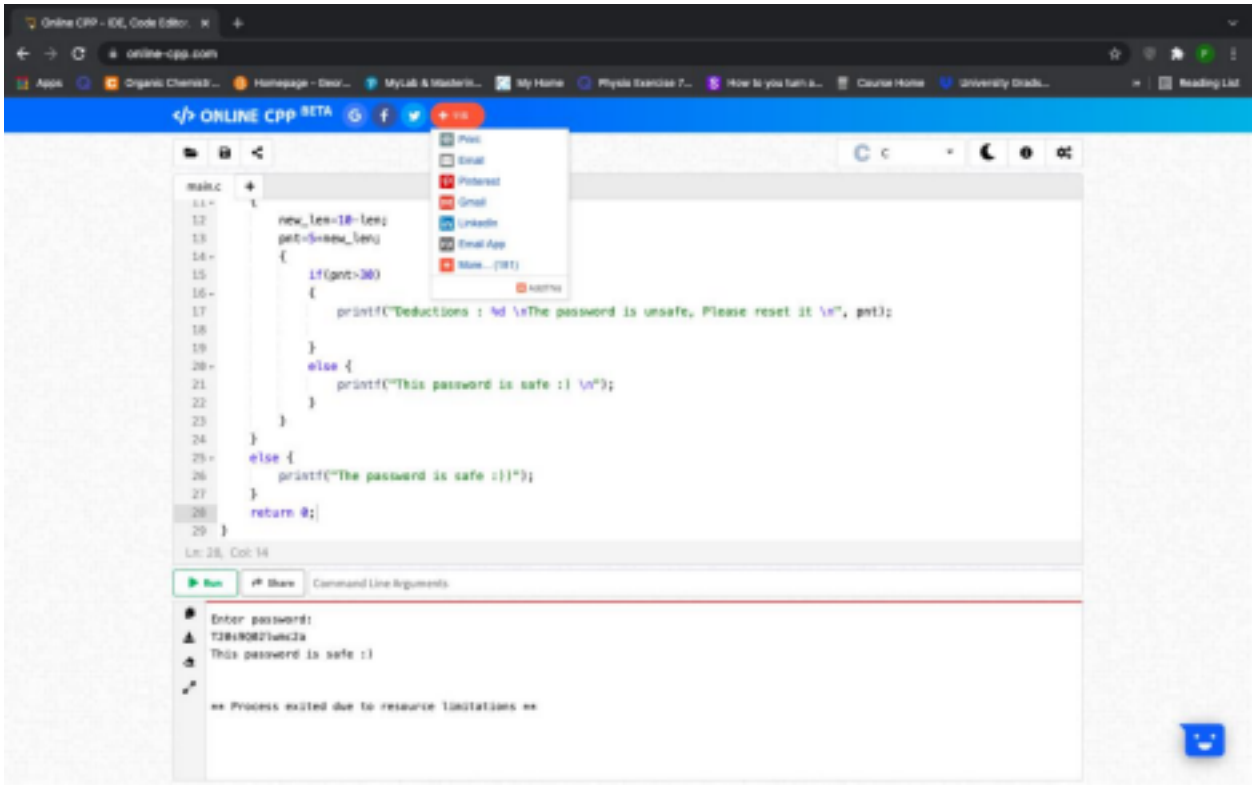
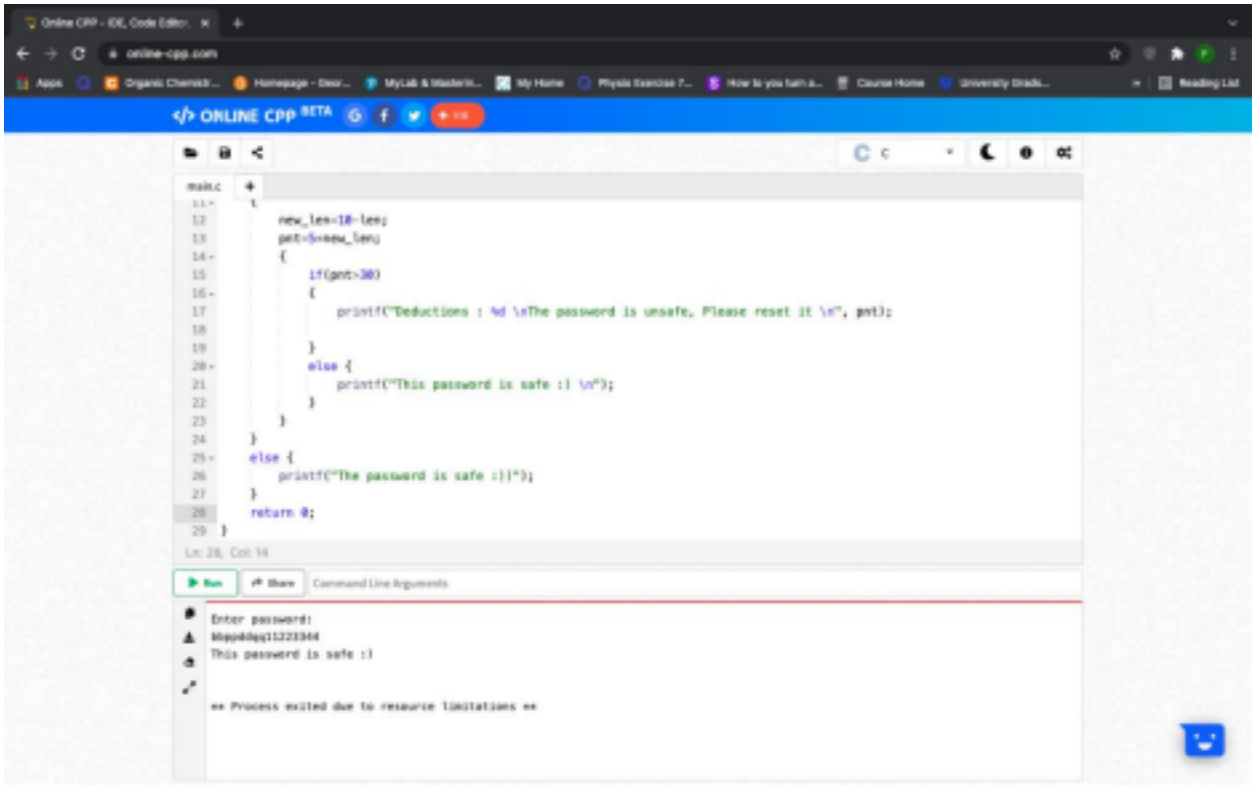
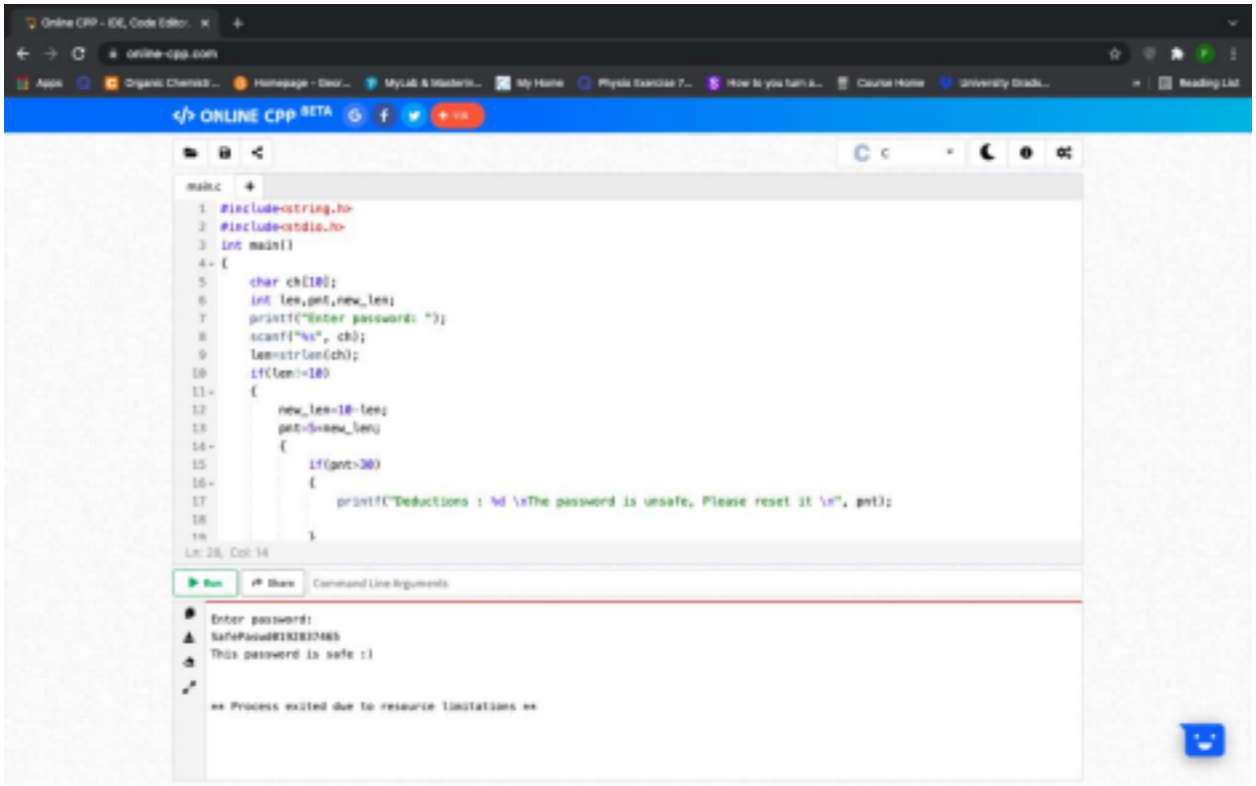
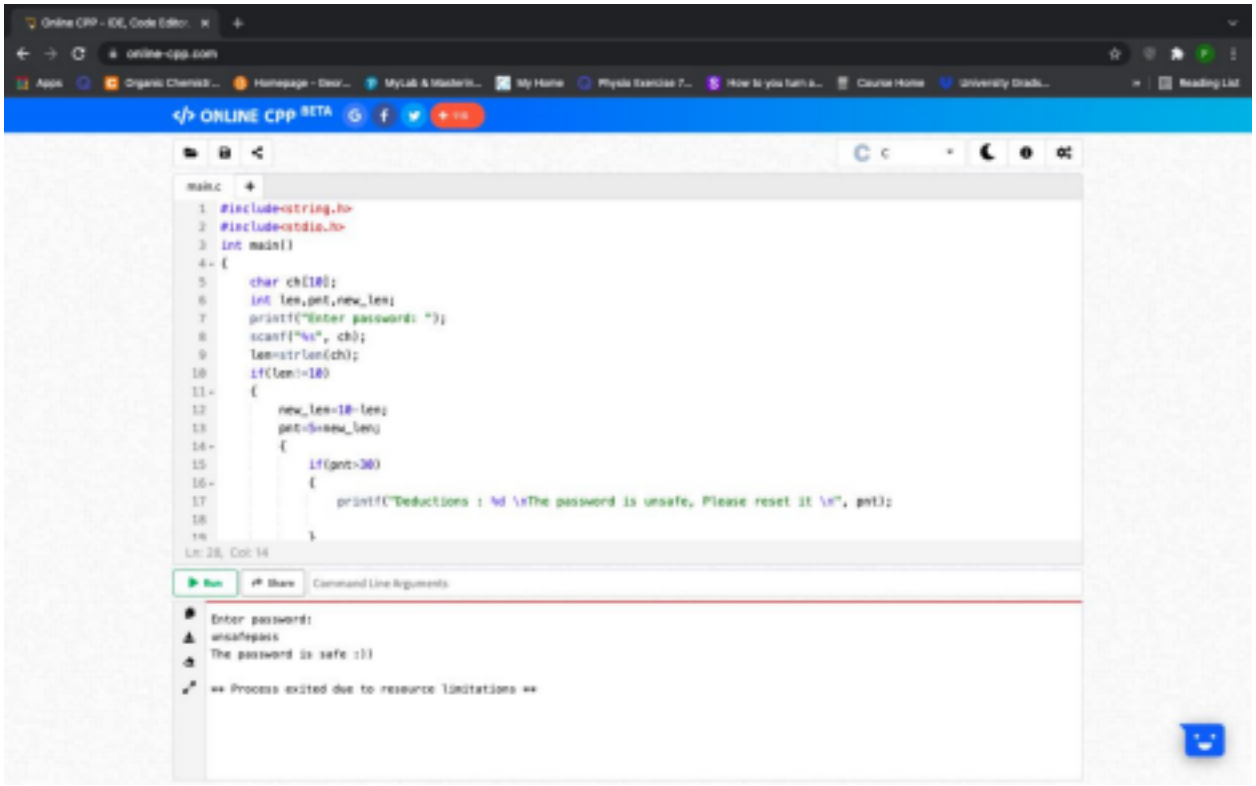
Lab 11
Q1:

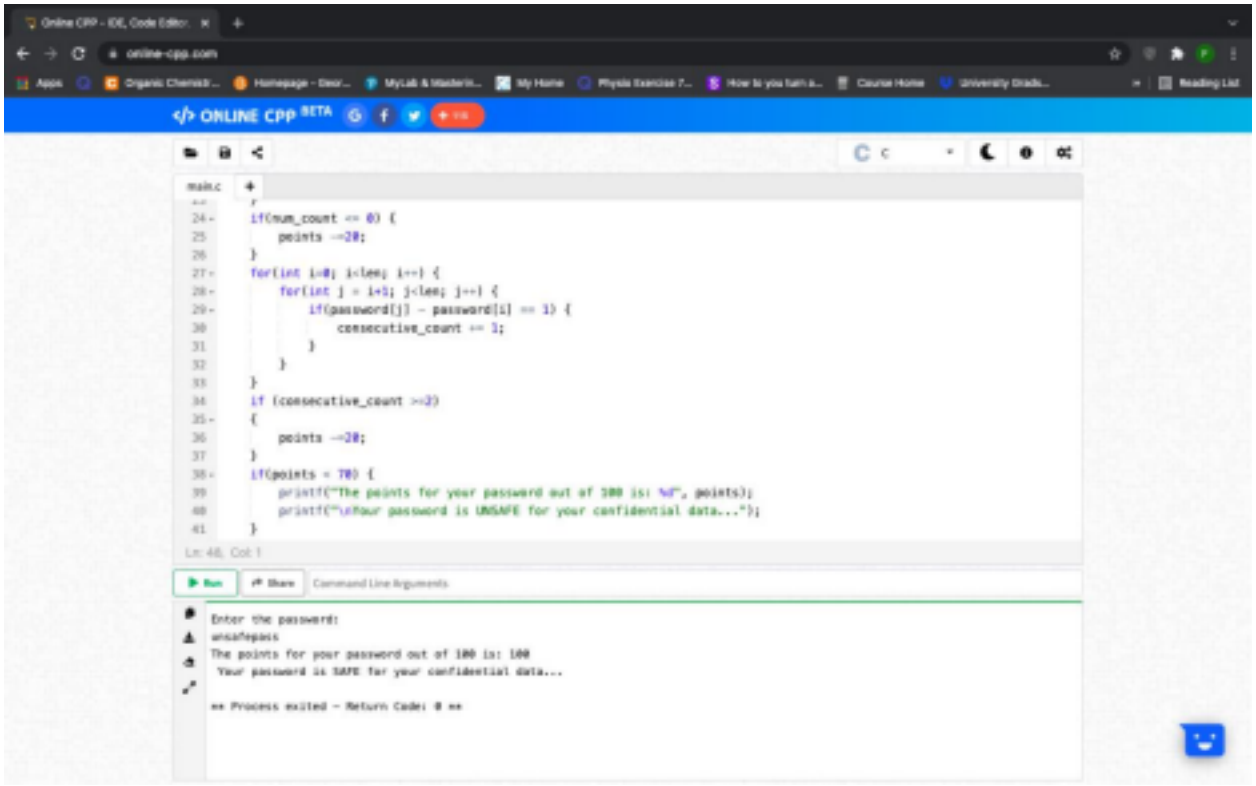

Online CPP - IDE, Code Editor
online-cpp.com
ONLINE CPP BETA
main.c
new_len=10-len;
pnt=5+new_len;
{
if(pnt>30)
{
printf("Deductions : %d \nThe password is unsafe, Please reset it \n", pnt);
}
else {
printf("This password is safe :) \n");
}
}
}
else {
printf("The password is safe :))");
}
return 0;
}
Ln: 28, Col: 14
Run
Share
Command Line Arguments
Enter password:
This password is safe :)
== Process exited due to resource limitations ==

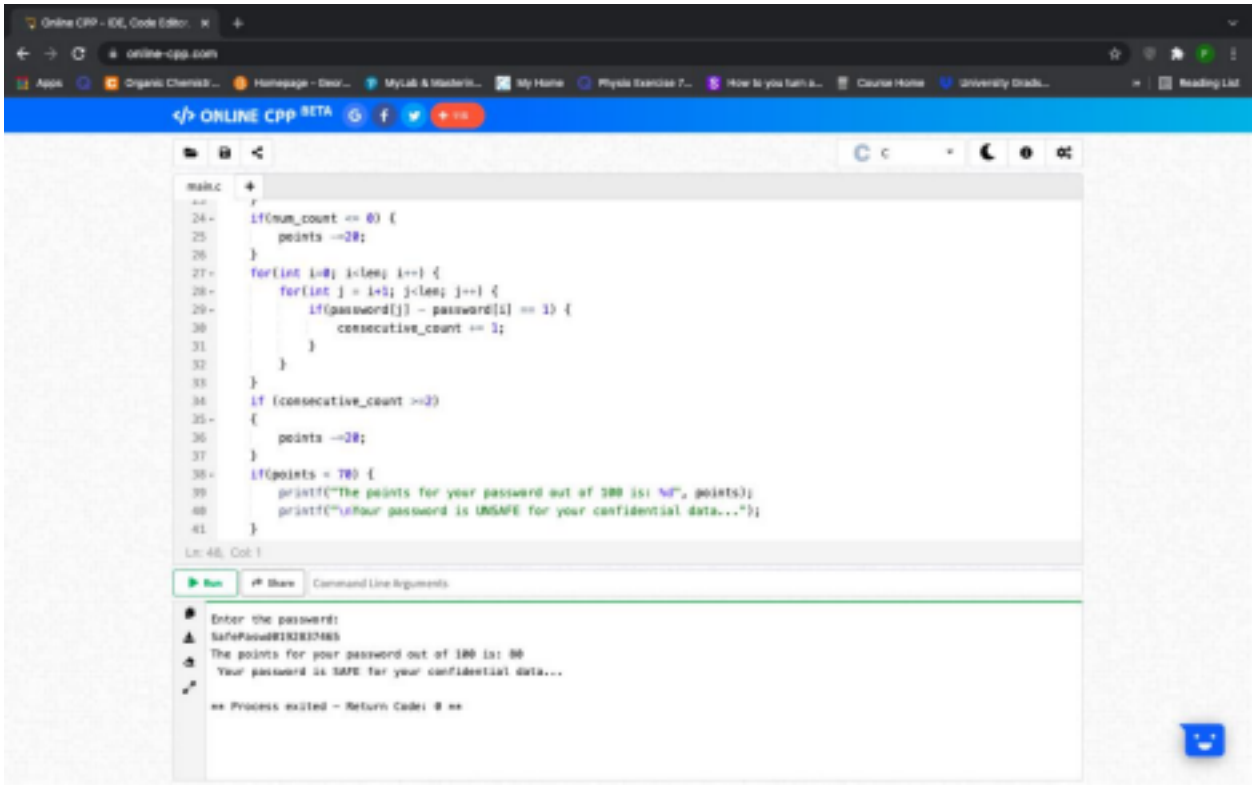

Online CPP - IDE, Code Editor
online-cpp.com
ONLINE CPP BETA
main.c
new_len=10-len;
pnt=5+new_len;
{
if(pnt>30)
{
printf("Deductions : %d \nThe password is unsafe, Please reset it \n", pnt);
}
else {
printf("This password is safe :) \n");
}
}
}
else {
printf("The password is safe :))");
}
return 0;
}
Ln: 28, Col: 14
Run
Share
Command Line Arguments
Enter password:
This password is safe :)
== Process exited due to resource limitations ==

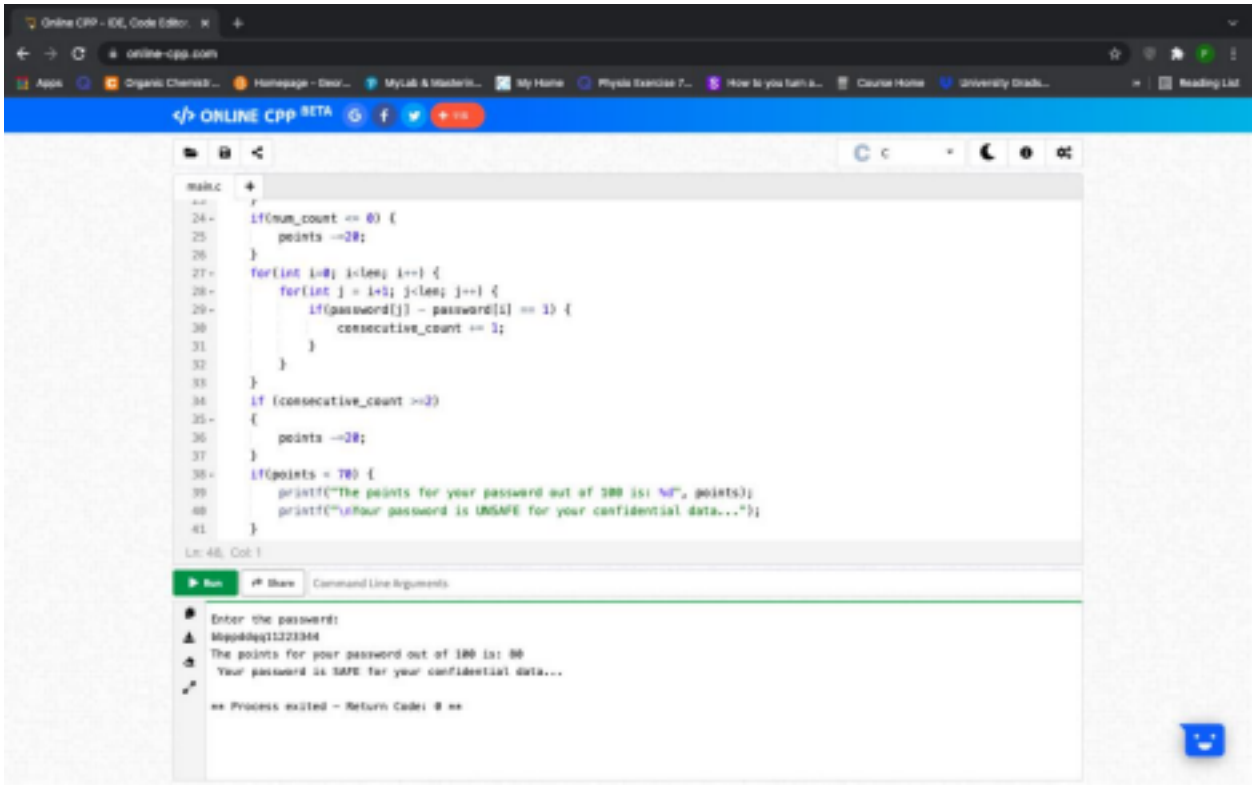

ONLINE CPP BETA
main.c
#include<string.h>
#include<stdio.h>
int main()
{
char ch[10];
int len,pnt,new_len;
printf("Enter password: ");
scanf("%s", ch);
len=strlen(ch);
if(len!=10)
{
new_len=10-len;
pnt=5*new_len;
{
if(pnt>30)
{
printf("Deductions : %d \nThe password is unsafe, Please reset it \n", pnt);
}
Run
Share
Command Line Arguments
Enter password:
This password is safe :)
== Process exited due to resource limitations ==

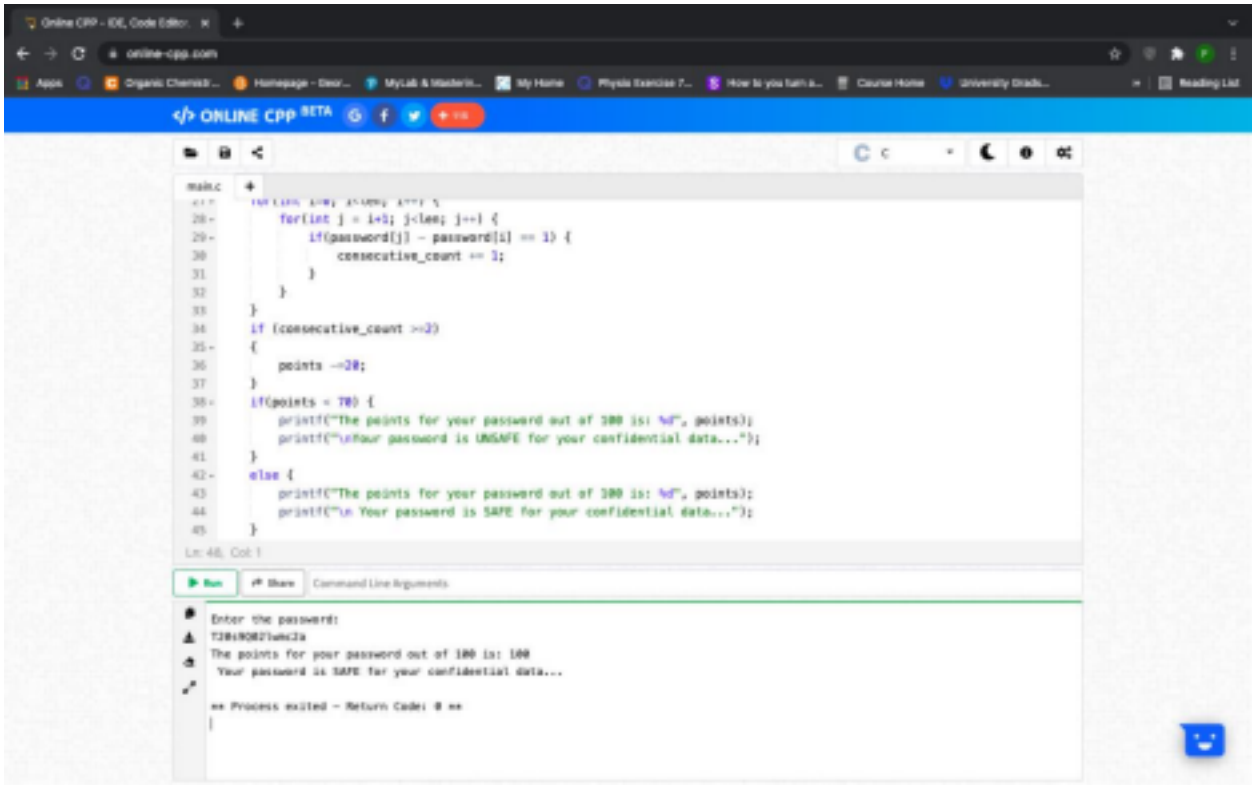

ONLINE CPP BETA
main.c
#include<string.h>
#include<stdio.h>
int main()
{
char ch[10];
int len,pnt,new_len;
printf("Enter password: ");
scanf("%s", ch);
len=strlen(ch);
if(len!=10)
{
new_len=10-len;
pnt=5*new_len;
{
if(pnt>30)
{
printf("Deductions : %d \nThe password is unsafe, Please reset it \n", pnt);
}
Run
Share
Command Line Arguments
Enter password:
unsafepass
The password is safe :)
== Process exited due to resource limitations ==

Q1, P2:

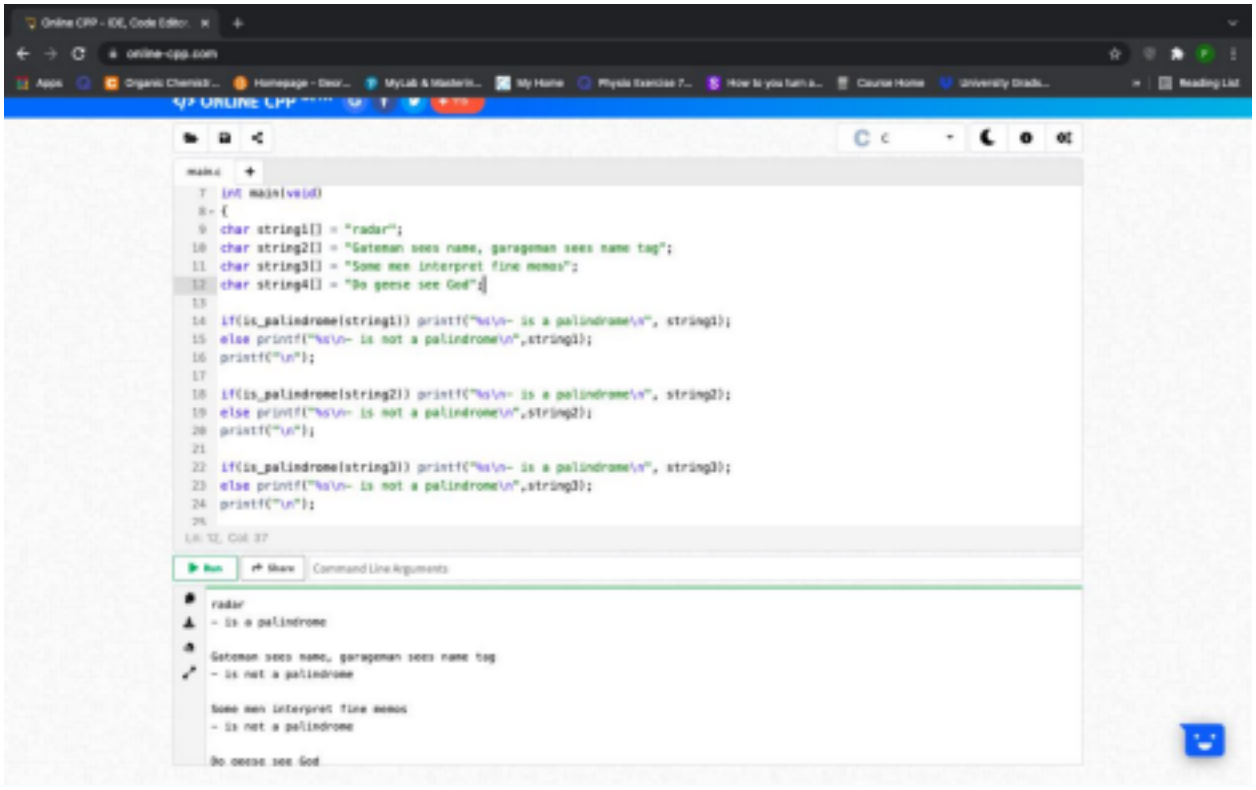

Online CPP - IDE, Code Editor
online-cpp.com
ONLINE CPP BETA
main.c
if(num_count <= 0) {
points -=20;
}
for(int i=0; i<len; i++) {
for(int j = i+1; j<len; j++) {
if(password[j] - password[i] == 1) {
consecutive_count += 1;
}
}
}
if (consecutive_count >=2)
{
points -=20;
}
if(points < 70) {
printf("The points for your password out of 100 is: %d", points);
printf("\nYour password is UNSAFE for your confidential data...");
}
Ln: 48, Col: 1
Run
Share
Command Line Arguments
Enter the password:
unsafepass
The points for your password out of 100 is: 100
Your password is SAFE for your confidential data...
== Process exited - Return Code: 0 ==


Online CPP - IDE, Code Editor
online-cpp.com
ONLINE CPP BETA
main.c
if(num_count <= 0) {
points -=20;
}
for(int i=0; i<len; i++) {
for(int j = i+1; j<len; j++) {
if(password[j] - password[i] == 1) {
consecutive_count += 1;
}
}
}
if (consecutive_count >=2)
{
points -=20;
}
if(points < 70) {
printf("The points for your password out of 100 is: %d", points);
printf("\nYour password is UNSAFE for your confidential data...");
}
Ln: 48, Col: 1
Run
Share
Command Line Arguments
Enter the password:
The points for your password out of 100 is: 80
Your password is SAFE for your confidential data...
== Process exited - Return Code: 0 ==


ONLINE CPP BETA
main.c
if(num_count == 0) {
points -=20;
}
for(int i=0; i<len; i++) {
for(int j = i+1; j<len; j++) {
if(password[j] - password[i] == 1) {
consecutive_count += 1;
}
}
}
if (consecutive_count >=2)
{
points -=20;
}
if(points < 70) {
printf("The points for your password out of 100 is: %d", points);
printf("\nYour password is UNSAFE for your confidential data...");
}
Ln: 48, Col: 1
Run
Share
Command Line Arguments
Enter the password:
Mypp4dqq11223344
The points for your password out of 100 is: 80
Your password is SAFE for your confidential data...
== Process exited - Return Code: 0 ==

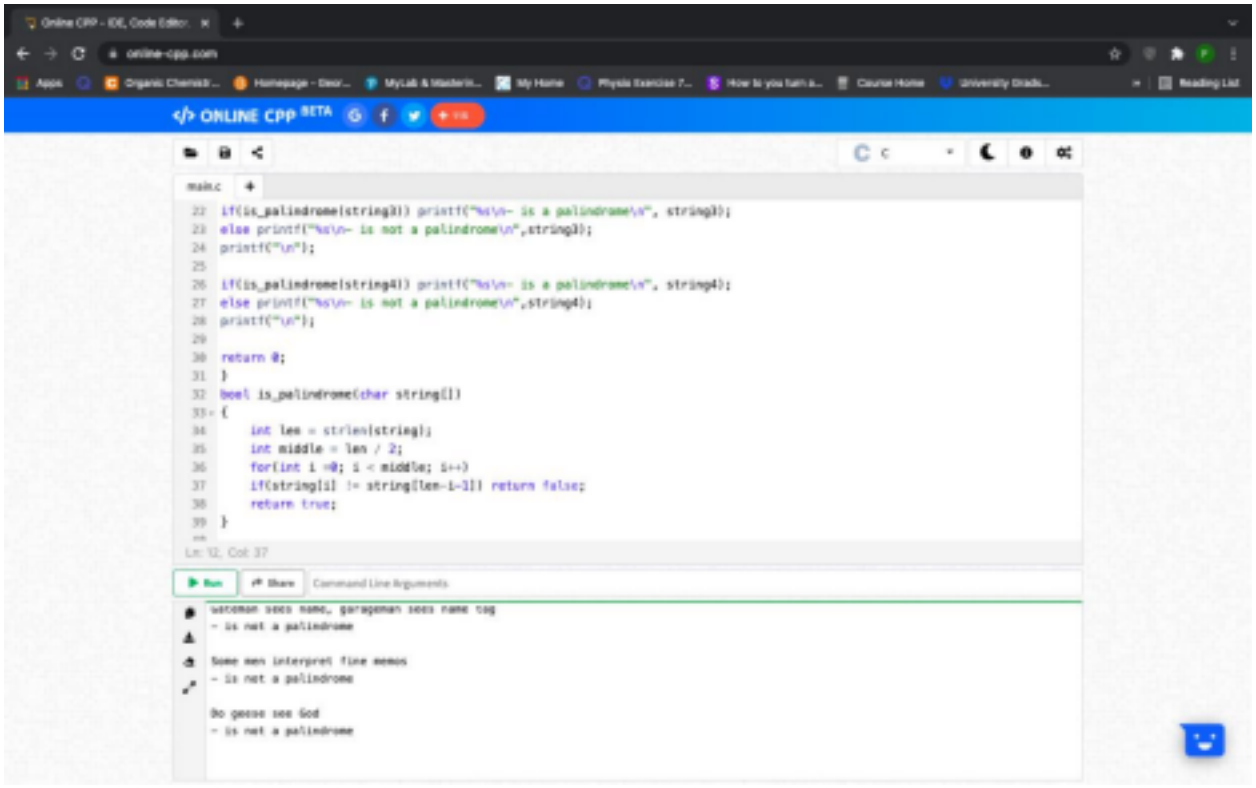

ONLINE CPP BETA
main.c
for(int j = i+1; j<len; j++) {
if(password[j] - password[i] == 1) {
consecutive_count += 1;
}
}
}
if (consecutive_count >=2)
{
points -=20;
}
if(points < 70) {
printf("The points for your password out of 100 is: %d", points);
printf("\nYour password is UNSAFE for your confidential data...");
}
else {
printf("The points for your password out of 100 is: %d", points);
printf("\n Your password is SAFE for your confidential data...");
}
Ln: 48, Col: 1
Run
Share
Command Line Arguments
Enter the password:
The points for your password out of 100 is: 100
Your password is SAFE for your confidential data...
== Process exited - Return Code: 0 ==

Q2:



```c
int main(void)
{
char string1[] = "radar";
char string2[] = "Gateman sees name, garageman sees name tag";
char string3[] = "Some men interpret fine memos";
char string4[] = "Do geese see God";

if(is_palindrome(string1)) printf("%s\n- is a palindrome\n", string1);
else printf("%s\n- is not a palindrome\n",string1);
printf("\n");

if(is_palindrome(string2)) printf("%s\n- is a palindrome\n", string2);
else printf("%s\n- is not a palindrome\n",string2);
printf("\n");

if(is_palindrome(string3)) printf("%s\n- is a palindrome\n", string3);
else printf("%s\n- is not a palindrome\n",string3);
printf("\n");
```

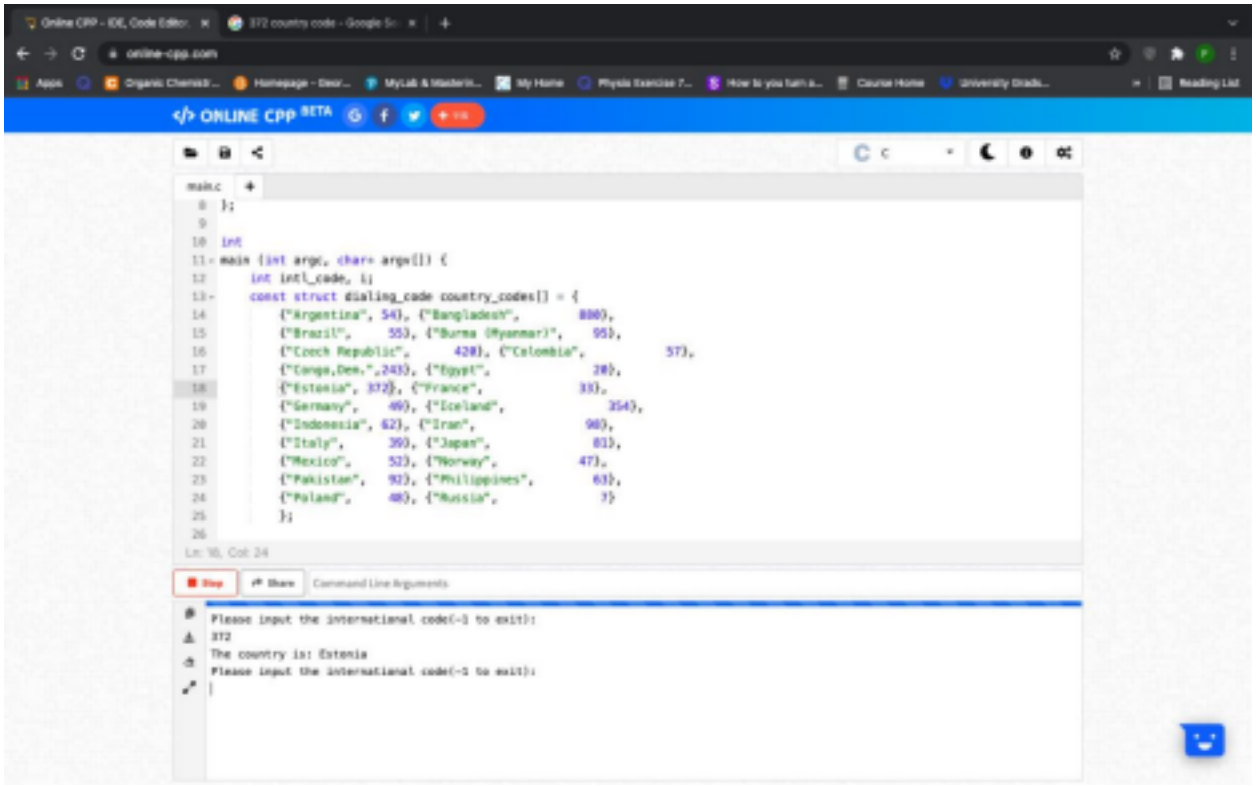
```
radar
- is a palindrome

Gateman sees name, garageman sees name tag
- is not a palindrome

Some men interpret fine memos
- is not a palindrome

Do geese see God
```

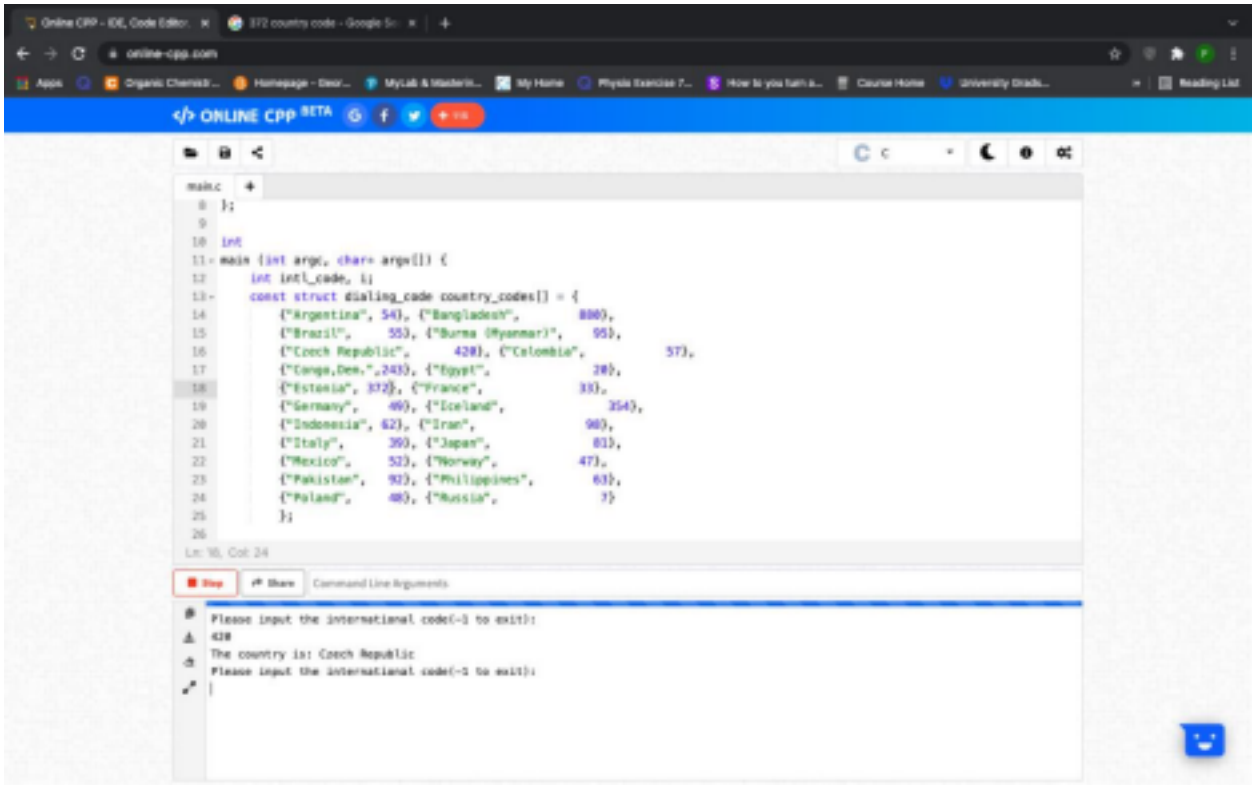


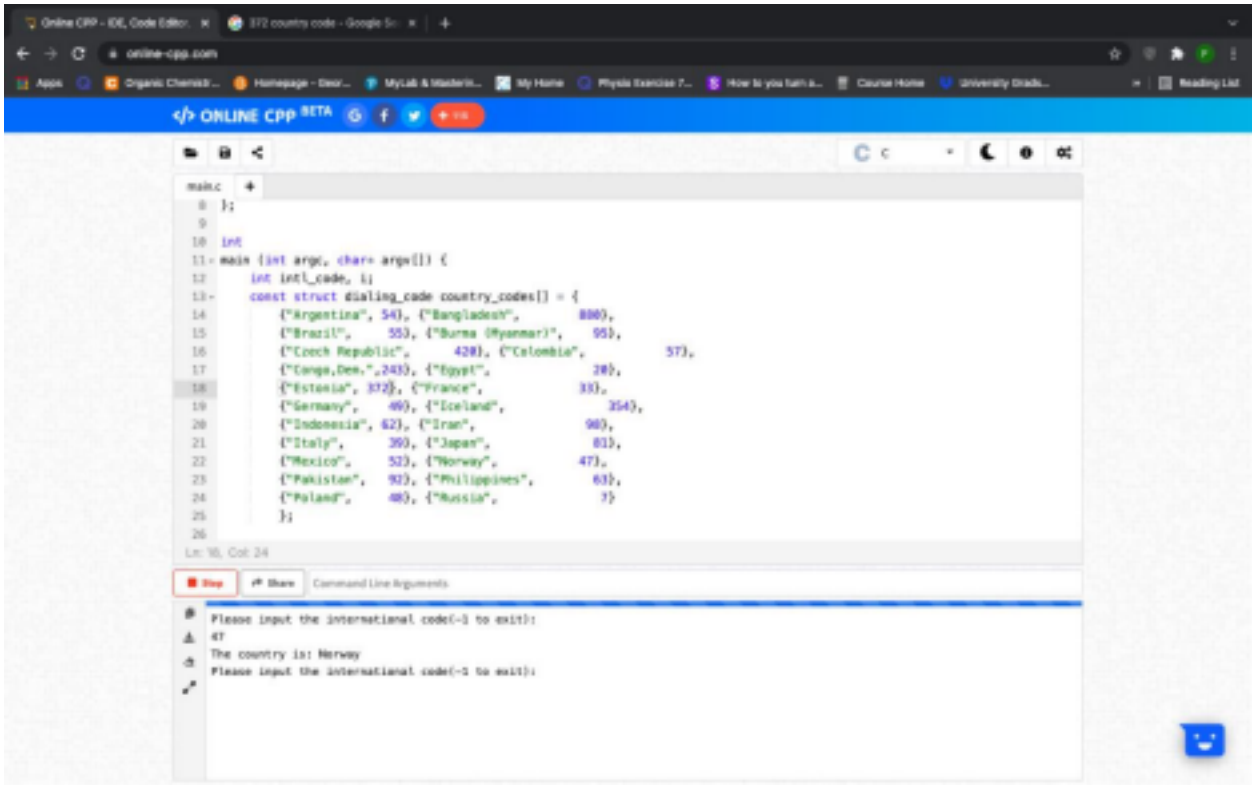
```c
if(is_palindrome(string3)) printf("%s\n- is a palindrome\n", string3);
else printf("%s\n- is not a palindrome\n",string3);
printf("\n");

if(is_palindrome(string4)) printf("%s\n- is a palindrome\n", string4);
else printf("%s\n- is not a palindrome\n",string4);
printf("\n");

return 0;
}
bool is_palindrome(char string[])
{
    int len = strlen(string);
    int middle = len / 2;
    for(int i =0; i < middle; i++)
    if(string[i] != string[len-i-1]) return false;
    return true;
}
```

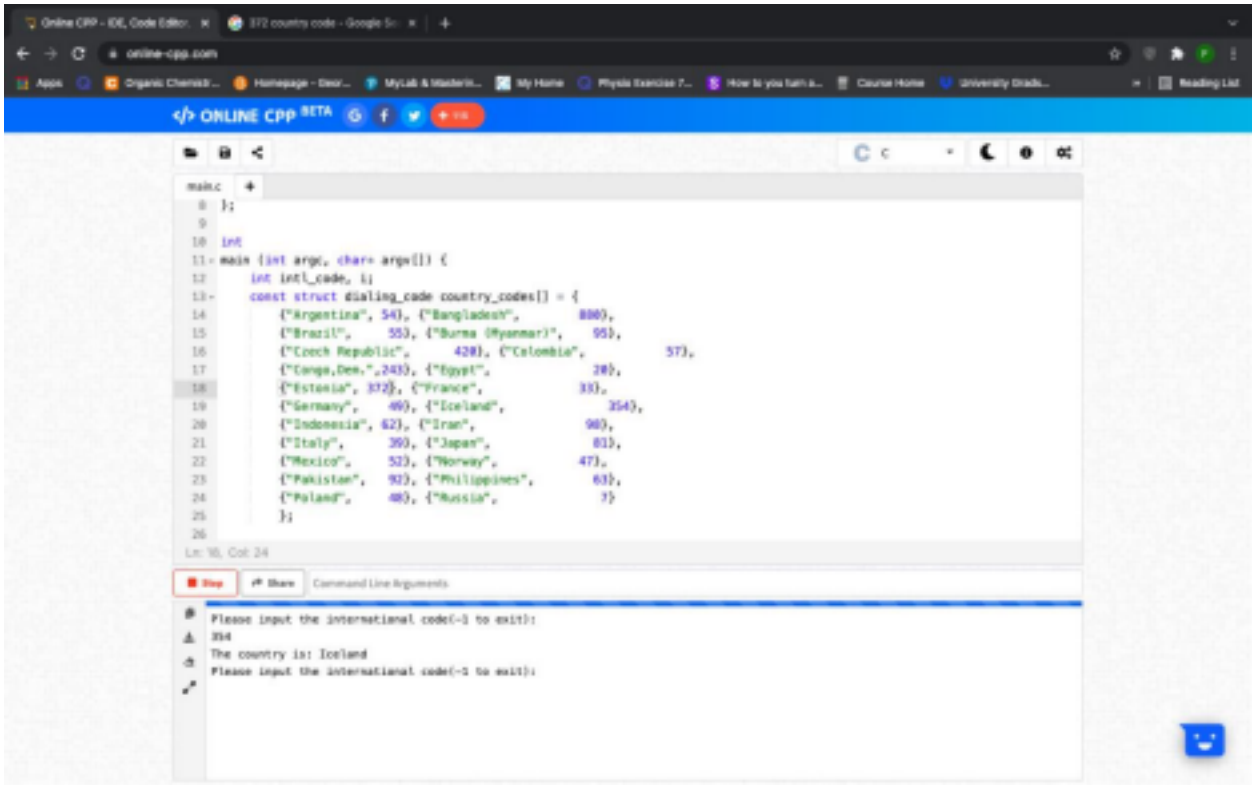
```
Gateman sees name, garageman sees name tag
- is not a palindrome

Some men interpret fine memos
- is not a palindrome

Do geese see God
- is not a palindrome
```

Q3:


ONLINE CPP BETA
main.c
};
int
main (int argc, char* argv[]) {
int intl_code, i;
const struct dialing_code country_codes[] = {
{"Argentina", 54}, {"Bangladesh", 880},
{"Brazil", 55}, {"Burma (Myanmar)", 95},
{"Czech Republic", 420}, {"Colombia", 57},
{"Congo,Dem.",243}, {"Egypt", 20},
{"Estonia", 372}, {"France", 33},
{"Germany", 49}, {"Iceland", 354},
{"Indonesia", 62}, {"Iran", 98},
{"Italy", 39}, {"Japan", 81},
{"Mexico", 52}, {"Norway", 47},
{"Pakistan", 92}, {"Philippines", 63},
{"Poland", 48}, {"Russia", 7}
};
Ln: 18, Col: 24
Stop
Share
Command Line Arguments
Please input the international code(-1 to exit):
372
The country is: Estonia
Please input the international code(-1 to exit):


ONLINE CPP BETA
main.c
};
int
main (int argc, char* argv[]) {
int intl_code, i;
const struct dialing_code country_codes[] = {
{"Argentina", 54}, {"Bangladesh", 880},
{"Brazil", 55}, {"Burma (Myanmar)", 95},
{"Czech Republic", 420}, {"Colombia", 57},
{"Congo,Dem.",243}, {"Egypt", 20},
{"Estonia", 372}, {"France", 33},
{"Germany", 49}, {"Iceland", 354},
{"Indonesia", 62}, {"Iran", 98},
{"Italy", 39}, {"Japan", 81},
{"Mexico", 52}, {"Norway", 47},
{"Pakistan", 92}, {"Philippines", 63},
{"Poland", 48}, {"Russia", 7}
};
Ln: 18, Col: 24
Stop
Share
Command Line Arguments
Please input the international code(-1 to exit):
420
The country is: Czech Republic
Please input the international code(-1 to exit):


ONLINE CPP BETA
main.c
};
int
main (int argc, char* argv[]) {
int intl_code, i;
const struct dialing_code country_codes[] = {
{"Argentina", 54}, {"Bangladesh", 880},
{"Brazil", 55}, {"Burma (Myanmar)", 95},
{"Czech Republic", 420}, {"Colombia", 57},
{"Congo,Dem.",243}, {"Egypt", 20},
{"Estonia", 372}, {"France", 33},
{"Germany", 49}, {"Iceland", 354},
{"Indonesia", 62}, {"Iran", 98},
{"Italy", 39}, {"Japan", 81},
{"Mexico", 52}, {"Norway", 47},
{"Pakistan", 92}, {"Philippines", 63},
{"Poland", 48}, {"Russia", 7}
};
Ln: 10, Col: 24
Stop
Share
Command Line Arguments
Please input the international code(-1 to exit):
47
The country is: Norway
Please input the international code(-1 to exit):


ONLINE CPP BETA
main.c
};
int
main (int argc, char* argv[]) {
int intl_code, i;
const struct dialing_code country_codes[] = {
{"Argentina", 54}, {"Bangladesh", 880},
{"Brazil", 55}, {"Burma (Myanmar)", 95},
{"Czech Republic", 420}, {"Colombia", 57},
{"Congo,Dem.",243}, {"Egypt", 20},
{"Estonia", 372}, {"France", 33},
{"Germany", 49}, {"Iceland", 354},
{"Indonesia", 62}, {"Iran", 98},
{"Italy", 39}, {"Japan", 81},
{"Mexico", 52}, {"Norway", 47},
{"Pakistan", 92}, {"Philippines", 63},
{"Poland", 48}, {"Russia", 7}
};
Ln: 10, Col: 24
Stop
Share
Command Line Arguments
Please input the international code(-1 to exit):
354
The country is: Iceland
Please input the international code(-1 to exit):