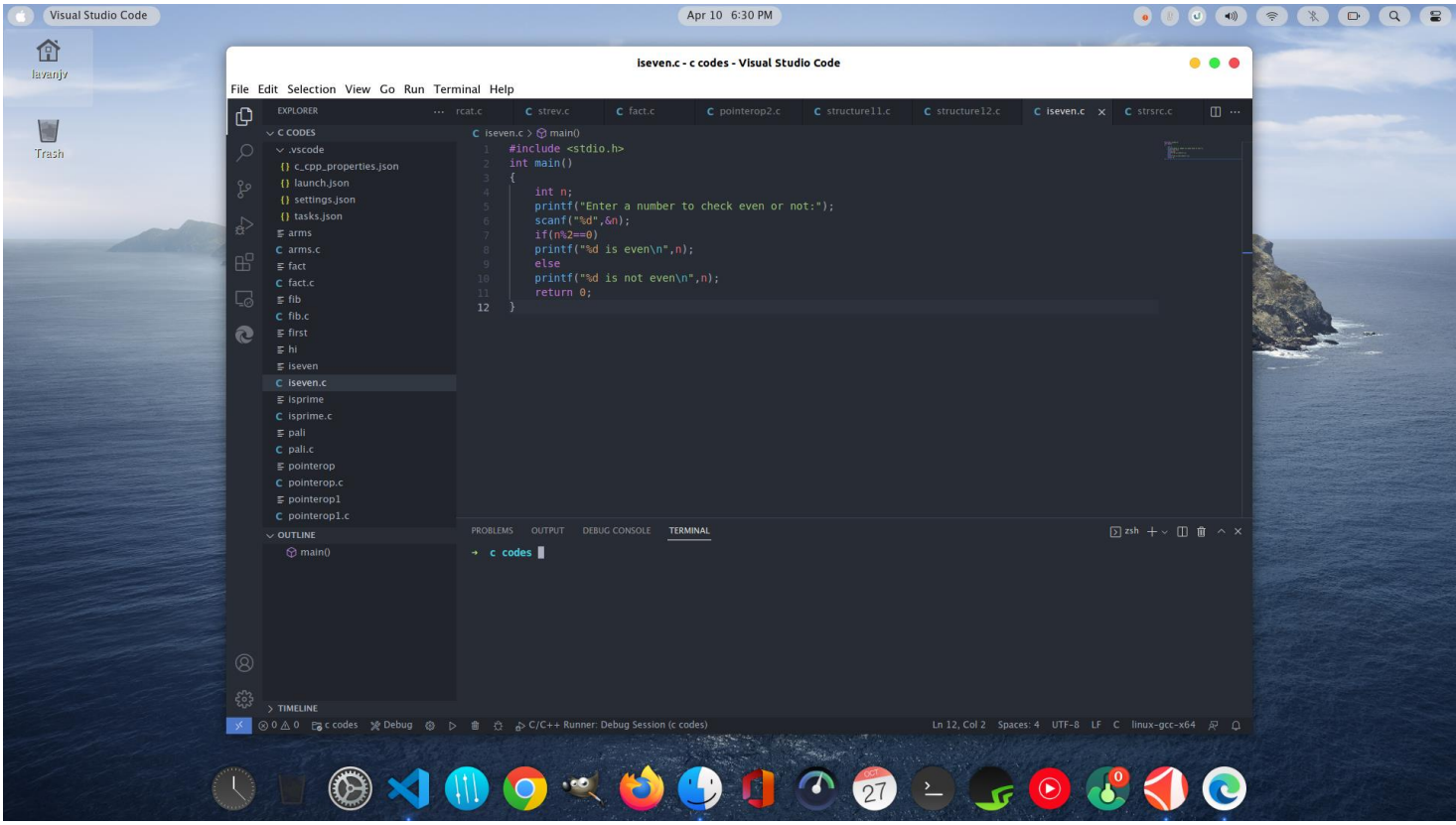
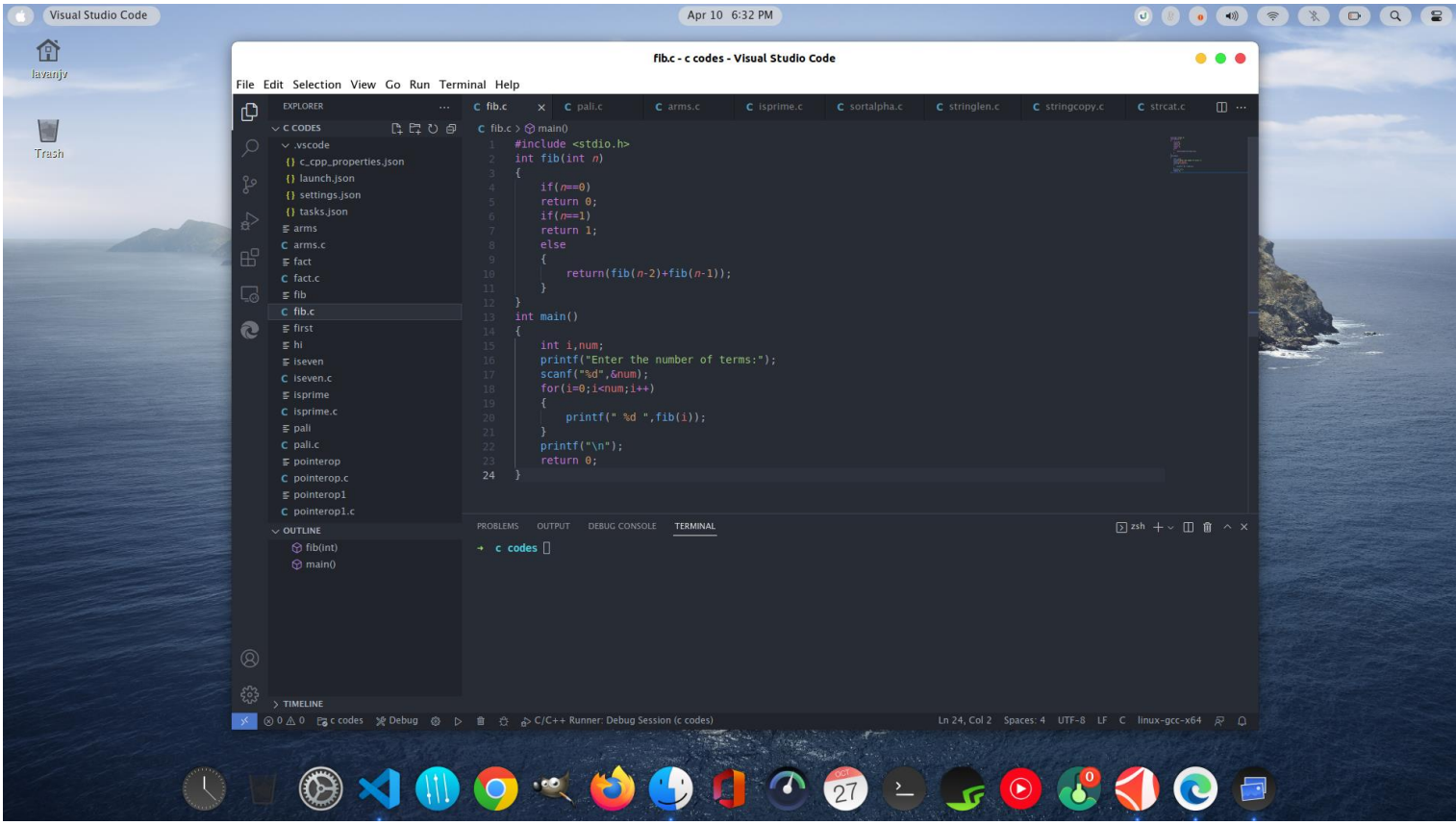
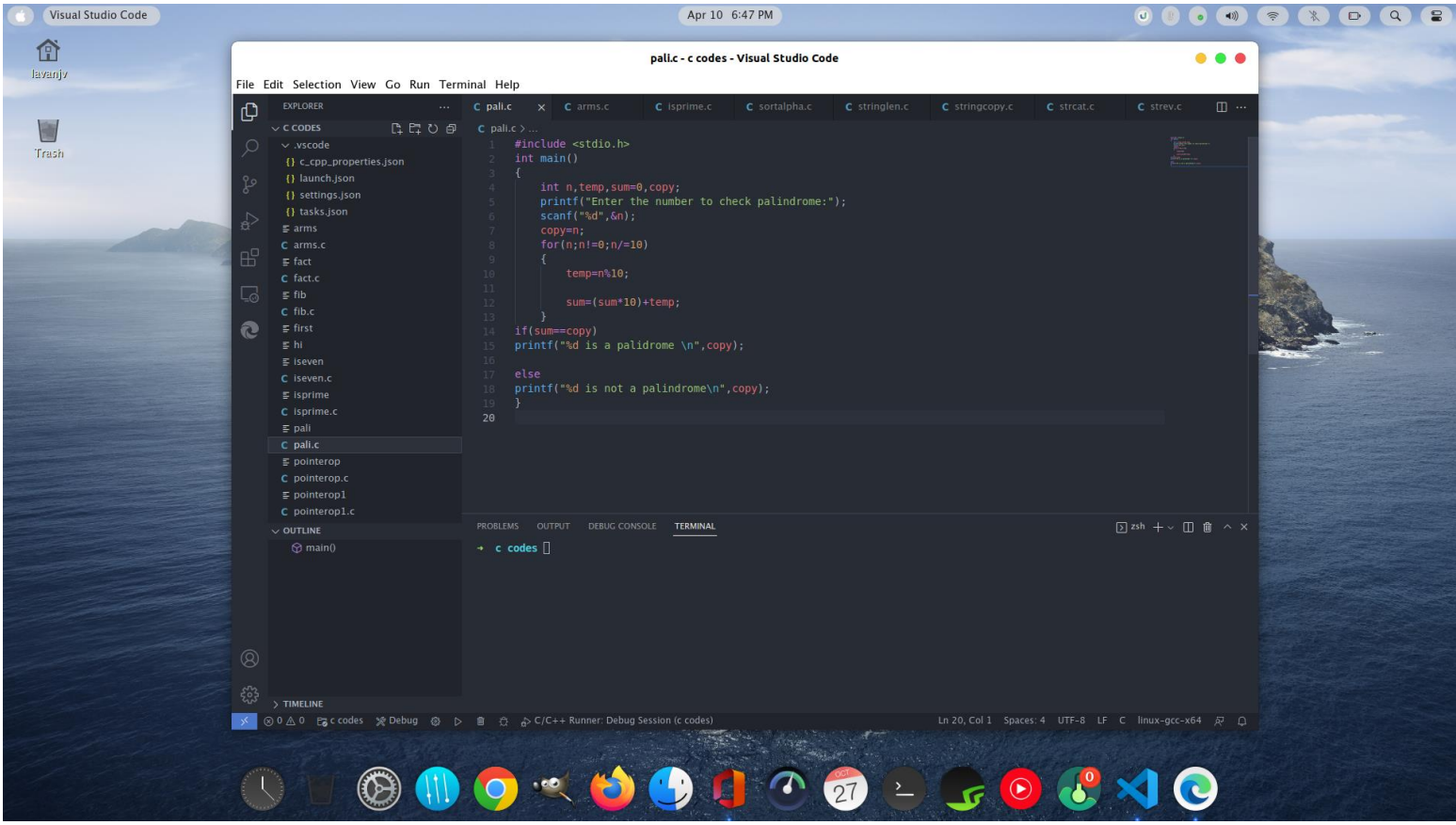
1. Write a C program to check whether a given number is odd or even.



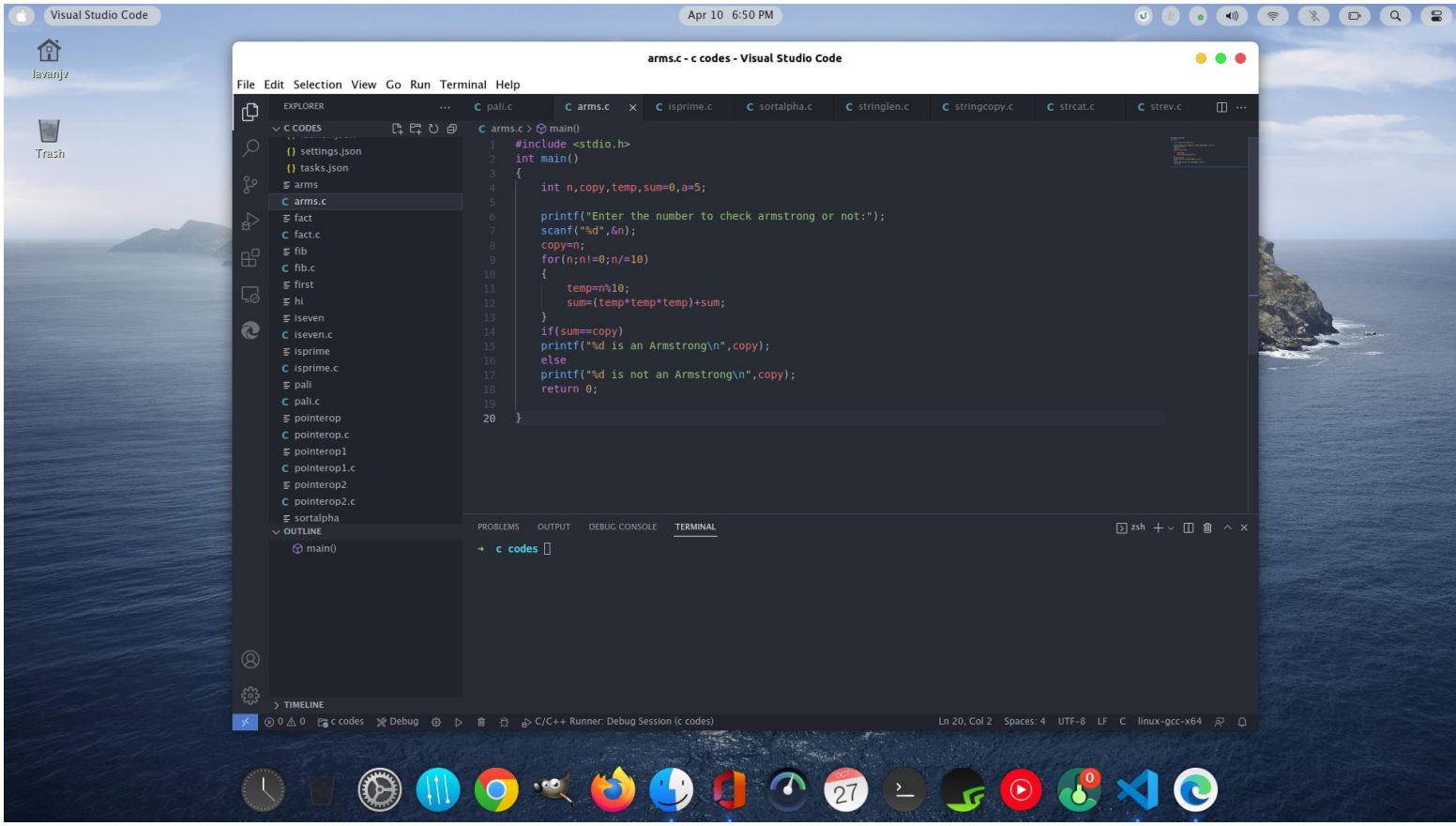
2. Write a C program to display Fibonacci series.



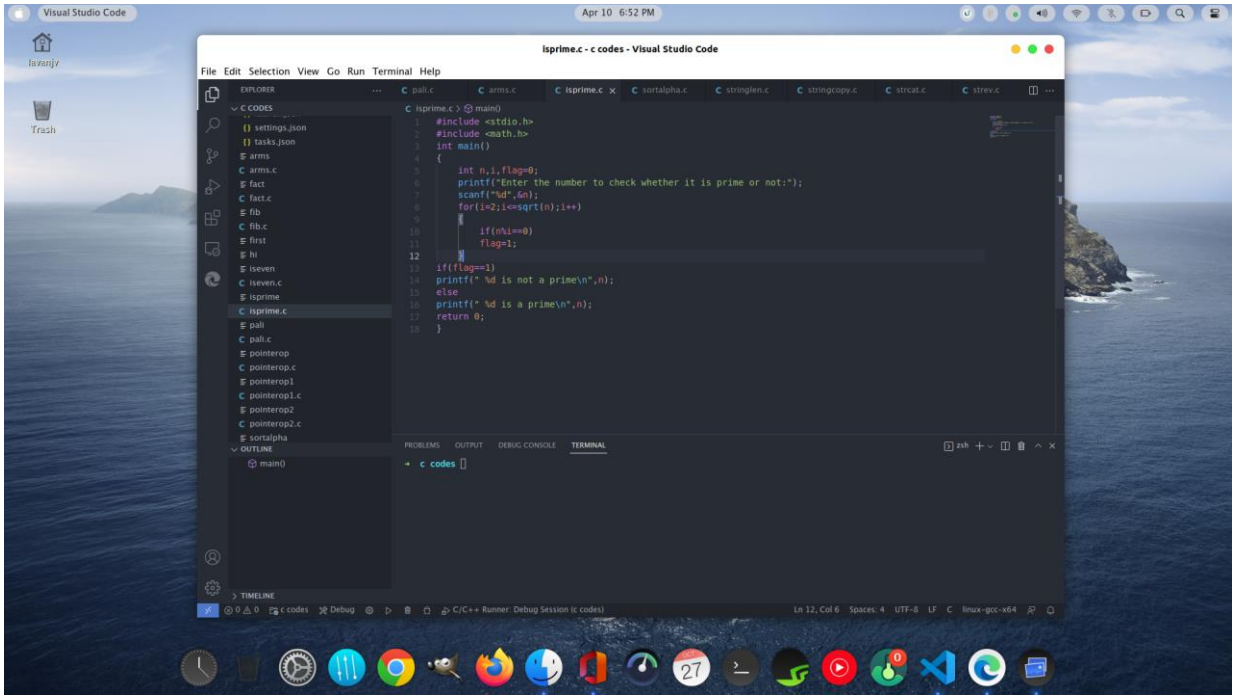
3. Write a C program to check whether a given number is palindrome or not?


Visual Studio Code
Apr 10 6:47 PM
lavanjy
Trash
pali.c - c codes - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
C CODES
.vscode
c_cpp_properties.json
launch.json
settings.json
tasks.json
arms
arms.c
fact
fact.c
fib
fib.c
first
hi
iseven
iseven.c
isprime
isprime.c
pali
pali.c
pointerop
pointerop.c
pointerop1
pointerop1.c
OUTLINE
main()
TIMELINE
pali.c
arms.c
isprime.c
sortalpha.c
stringlen.c
stringcopy.c
strcat.c
strev.c
#include <stdio.h>
int main()
{
int n,temp,sum=0,copy;
printf("Enter the number to check palindrome:");
scanf("%d",&n);
copy=n;
for(n;n!=0;n/=10)
{
temp=n%10;
sum=(sum*10)+temp;
}
if(sum==copy)
printf("%d is a palidrome \n",copy);
else
printf("%d is not a palindrome\n",copy);
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
zsh
c codes
c codes Debug
C/C++ Runner: Debug Session (c codes)
Ln 20, Col 1 Spaces: 4 UTF-8 LF C linux-gcc-x64

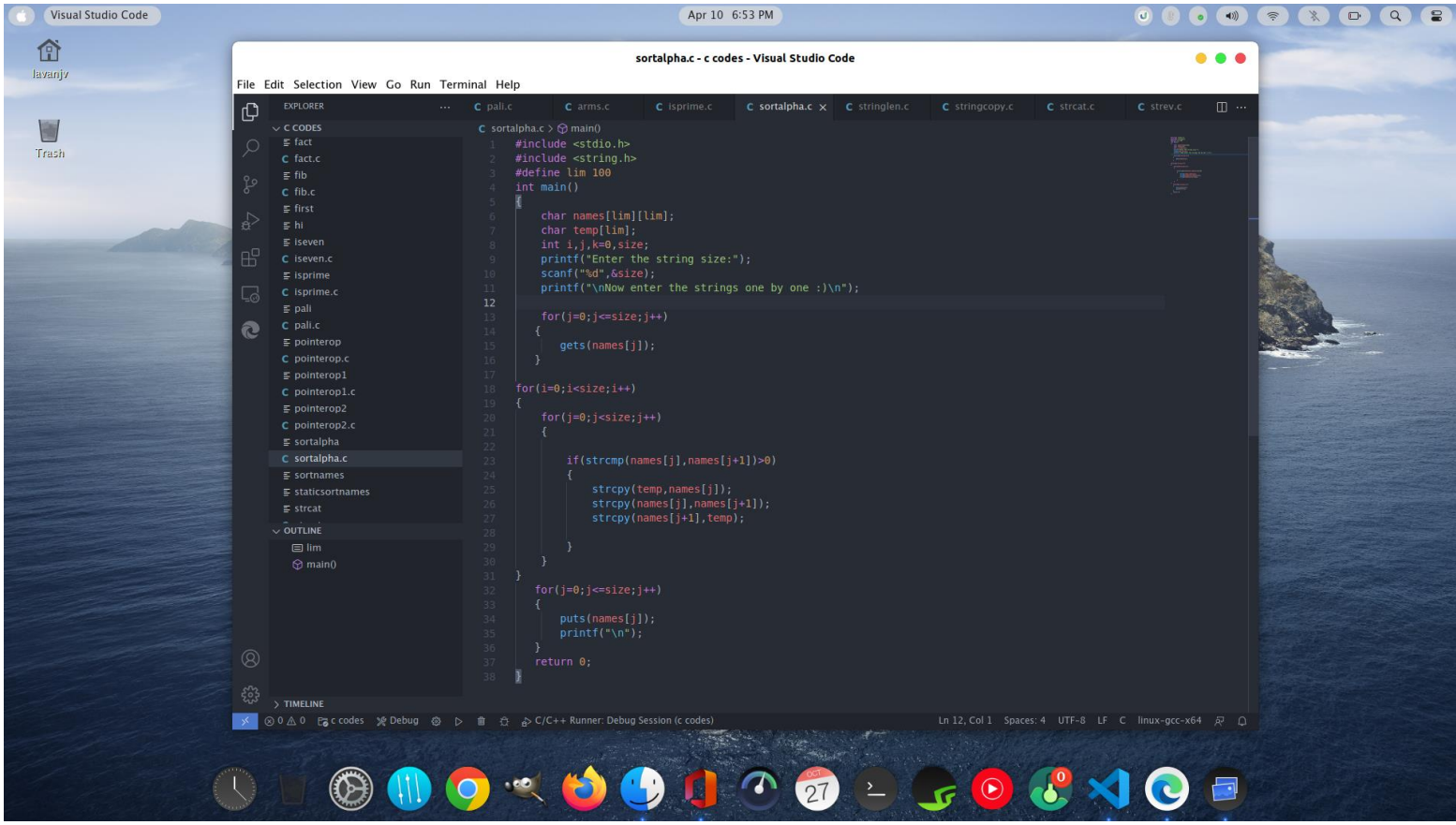
4. Write a C program to check whether a given number is Armstrong or not?



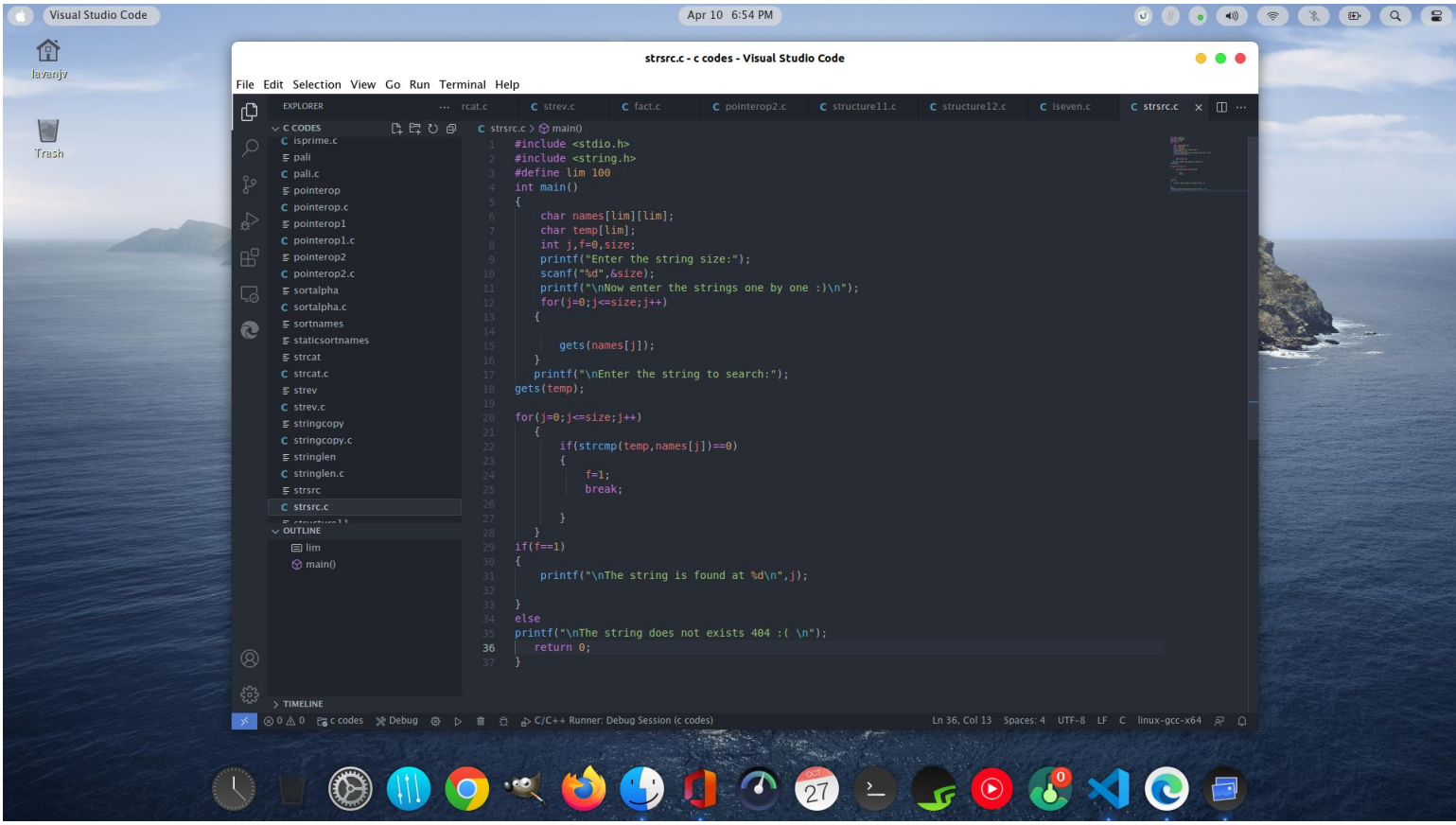
5. Write a C program to check whether a given number is Prime or not?



6. Write a C program to sort the strings in alphabetical order.

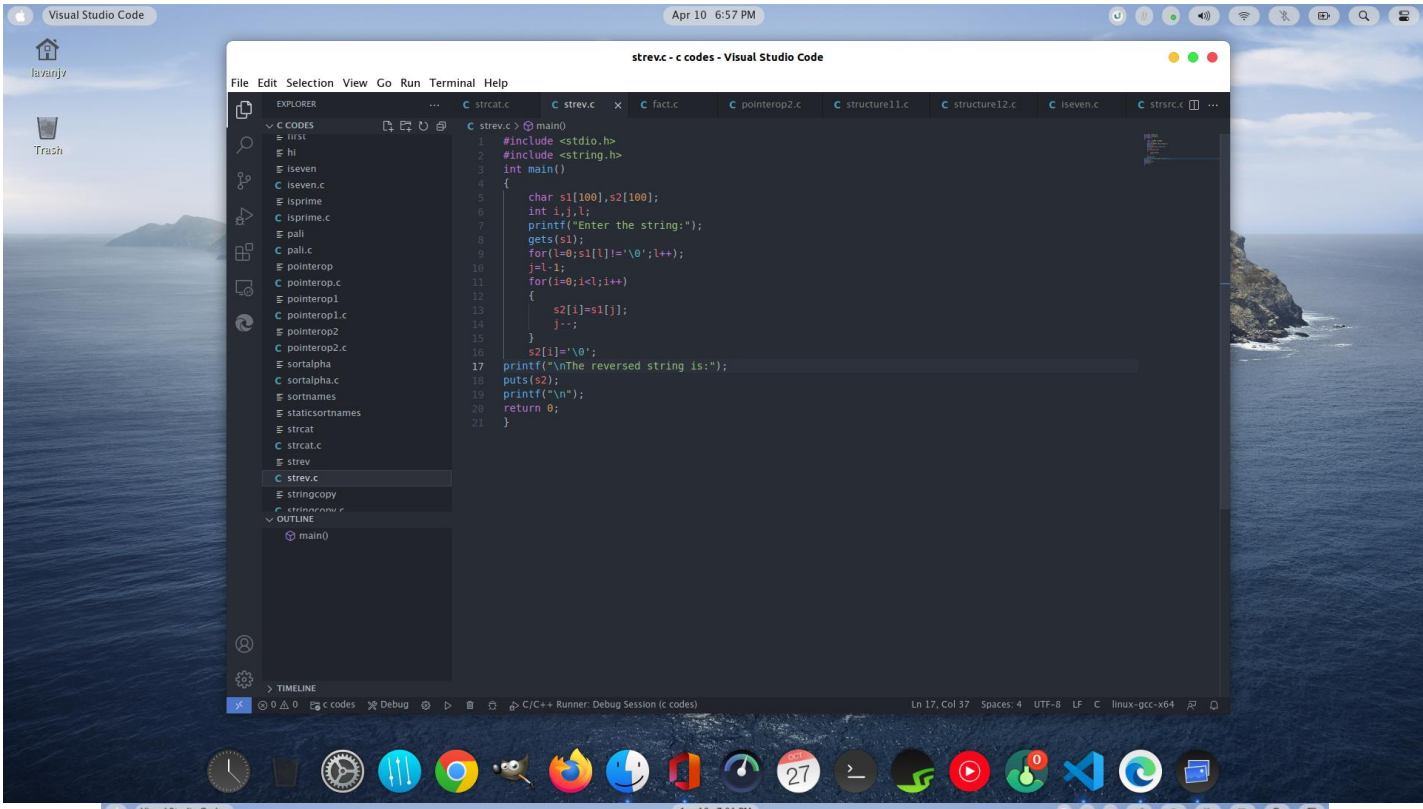


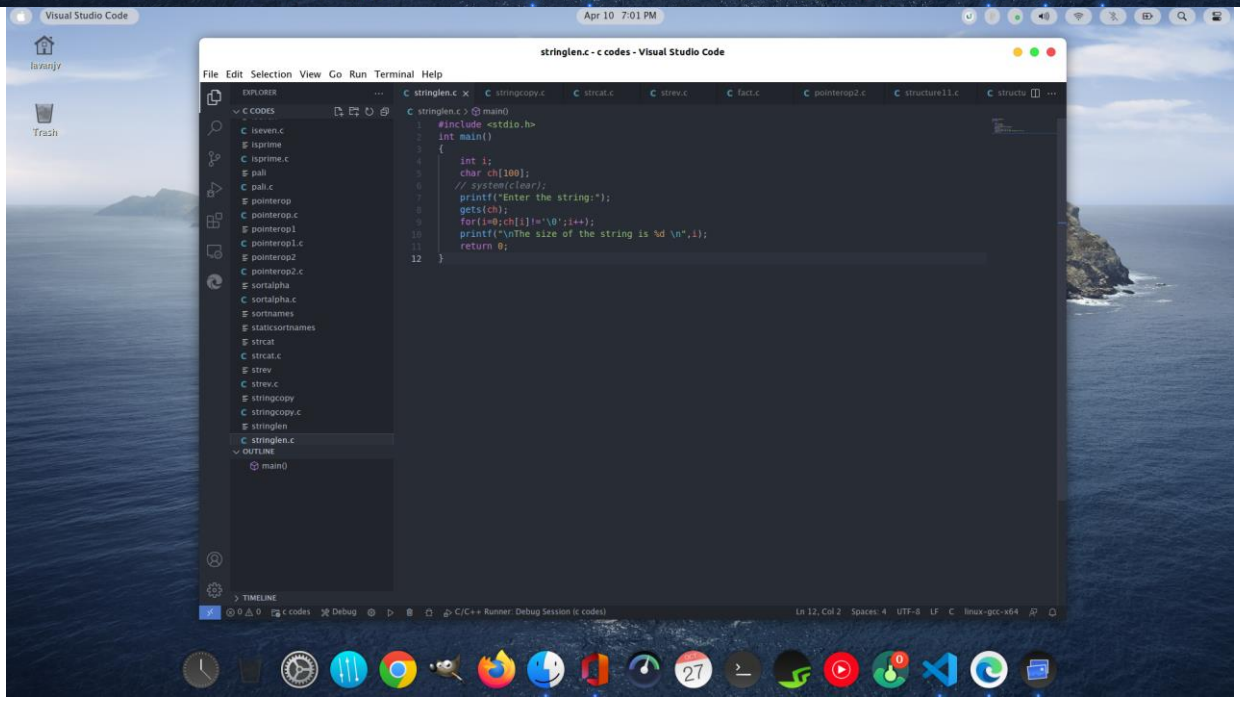
7. Write a C program to search the string in the list of strings.

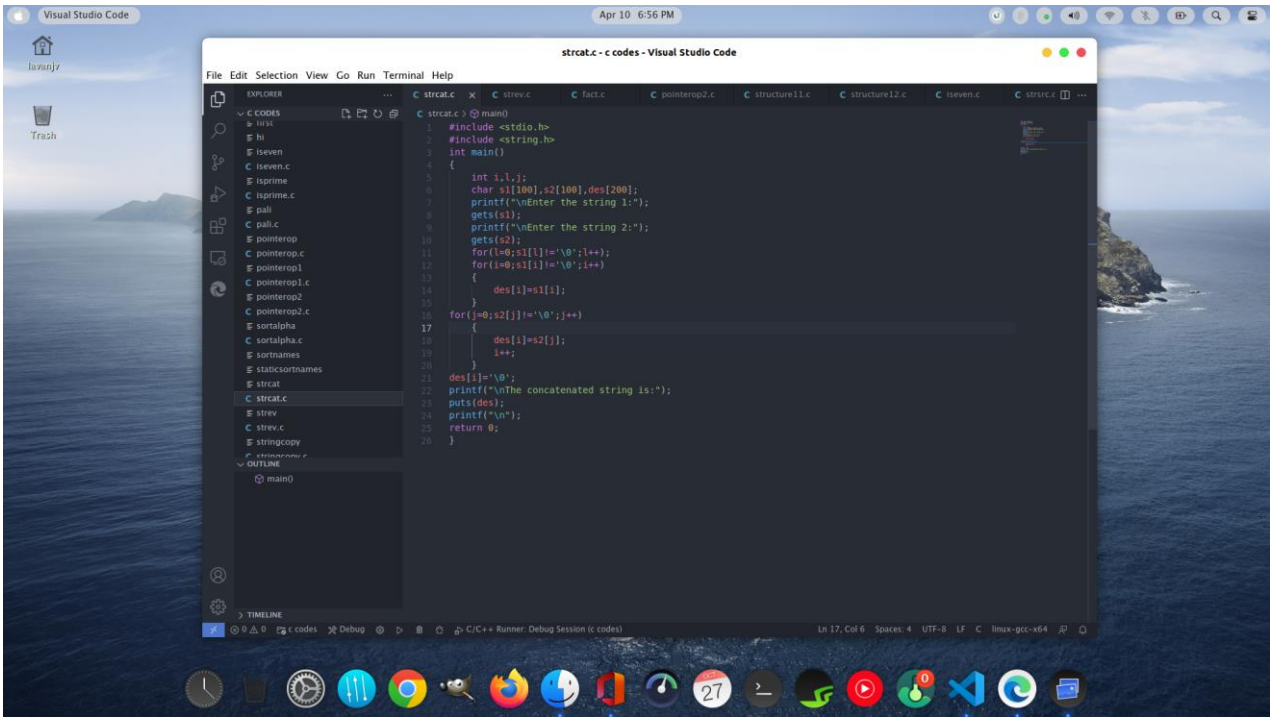


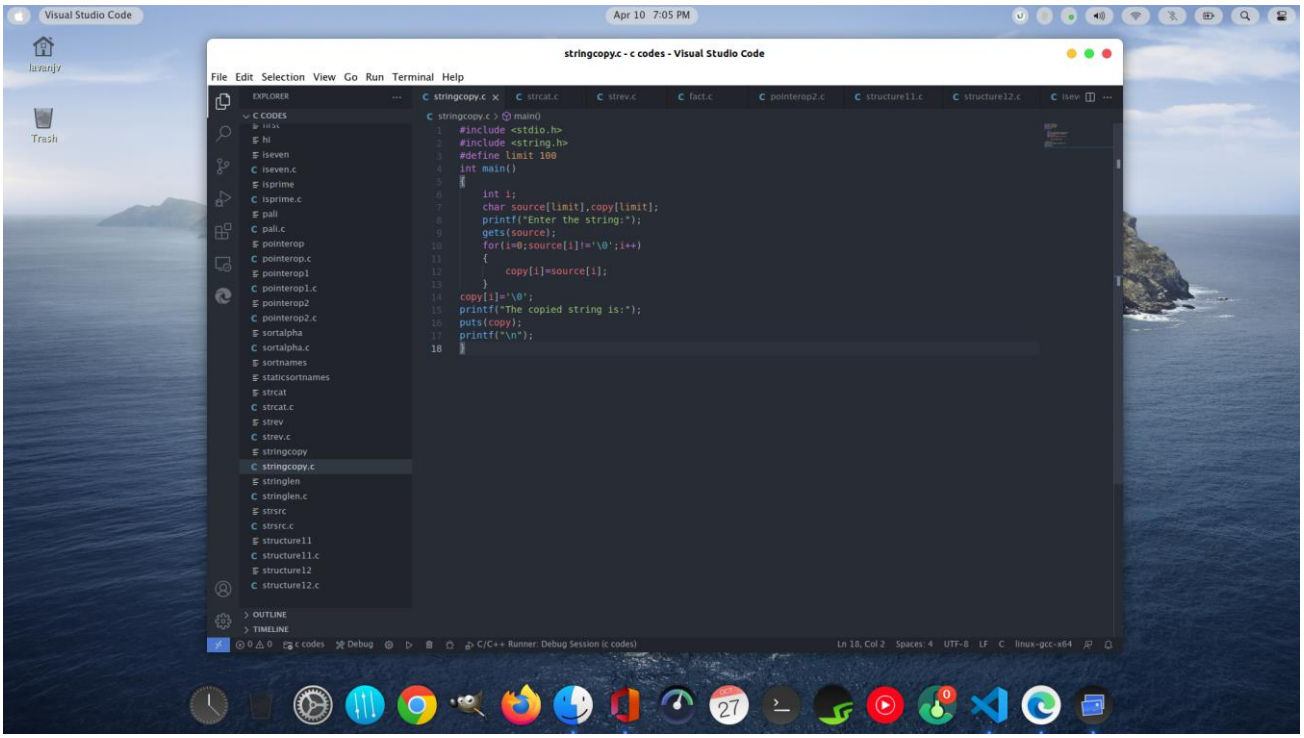
8. Write a C program for the following without string library functions

String Length, String Copy, String Concatenation, String Reverse

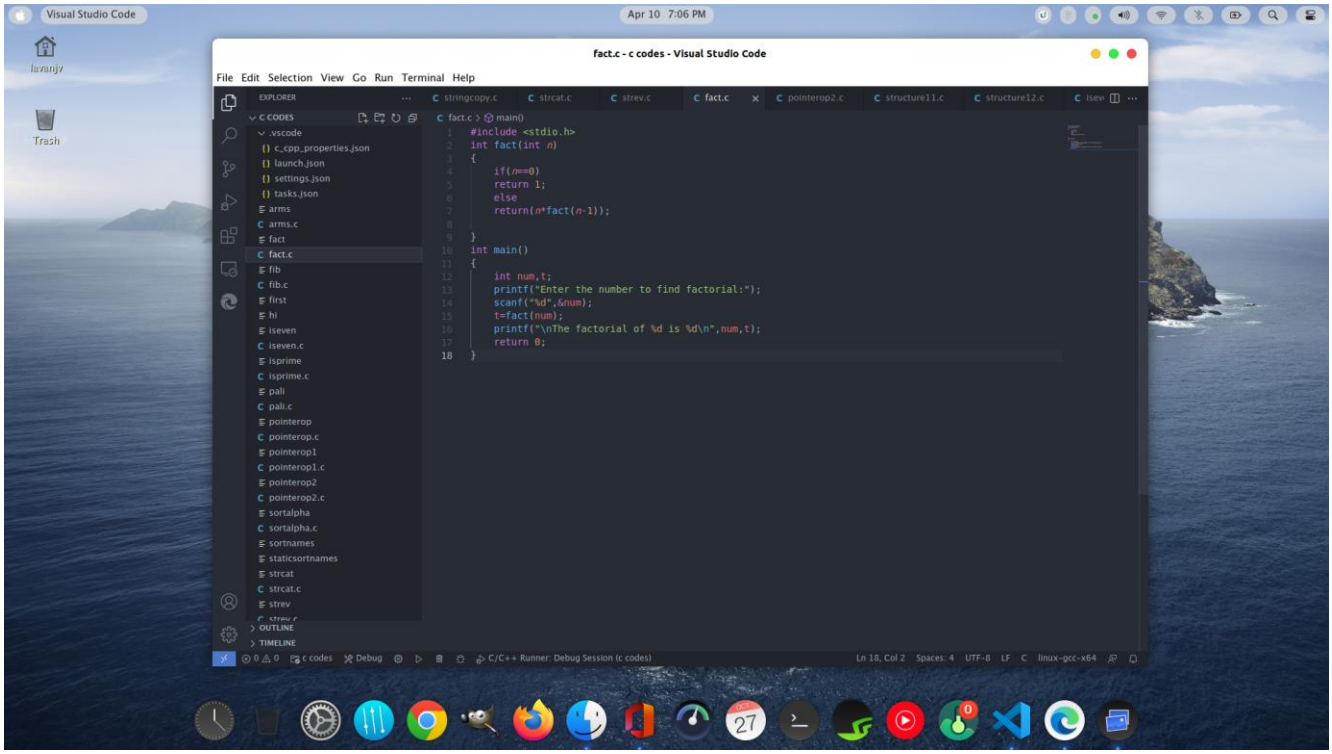

Visual Studio Code
Apr 10 6:57 PM
lavanjy
Trash
strev.c - c codes - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
C CODES
strcat.c
strev.c
fact.c
pointerop2.c
structure11.c
structure12.c
iseven.c
hi
iseven
iseven.c
isprime
isprime.c
pali
pali.c
pointerop
pointerop.c
pointerop1
pointerop1.c
pointerop2
pointerop2.c
sortalpha
sortalpha.c
sortnames
staticsortnames
strcat
strcat.c
strev
strev.c
stringcopy
OUTLINE
main()
TIMELINE
#include <stdio.h>
#include <string.h>
int main()
{
char s1[100],s2[100];
int i,j,l;
printf("Enter the string:");
gets(s1);
for(l=0;s1[l]!='\0';l++);
j=l-1;
for(i=0;i<l;i++)
{
s2[i]=s1[j];
j--;
}
s2[i]='\0';
printf("\nThe reversed string is:");
puts(s2);
printf("\n");
return 0;
}
C/C++ Runner: Debug Session (c codes)
Ln 17, Col 37 Spaces: 4 UTF-8 LF C linux-gcc-x64


Visual Studio Code
Apr 10 7:01 PM
lavanjy
Trash
stringlen.c - c codes - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
C CODES
stringlen.c
stringcopy.c
strcat.c
strev.c
fact.c
pointerop2.c
structure11.c
iseven.c
isprime
isprime.c
pali
pali.c
pointerop
pointerop.c
pointerop1
pointerop1.c
pointerop2
pointerop2.c
sortalpha
sortalpha.c
sortnames
staticsortnames
strcat
strcat.c
strev
strev.c
stringcopy
stringcopy.c
stringlen
stringlen.c
OUTLINE
main()
TIMELINE
#include <stdio.h>
int main()
{
int i;
char ch[100];
// system(clear);
printf("Enter the string:");
gets(ch);
for(i=0;ch[i]!='\0';i++);
printf("\nThe size of the string is %d \n",i);
return 0;
}
C/C++ Runner: Debug Session (c codes)
Ln 12, Col 2 Spaces: 4 UTF-8 LF C linux-gcc-x64


Visual Studio Code
Apr 10 6:56 PM
strcat.c - c codes - Visual Studio Code
File Edit Selection View Go Run Terminal Help
#include <stdio.h>
#include <string.h>
int main()
{
int i,l,j;
char s1[100],s2[100],des[200];
printf("\nEnter the string 1:");
gets(s1);
printf("\nEnter the string 2:");
gets(s2);
for(l=0;s1[l]!='\0';l++);
for(i=0;s1[i]!='\0';i++)
{
des[i]=s1[i];
}
for(j=0;s2[j]!='\0';j++)
{
des[i]=s2[j];
i++;
}
des[i]='\0';
printf("\nThe concatenated string is:");
puts(des);
printf("\n");
return 0;
}

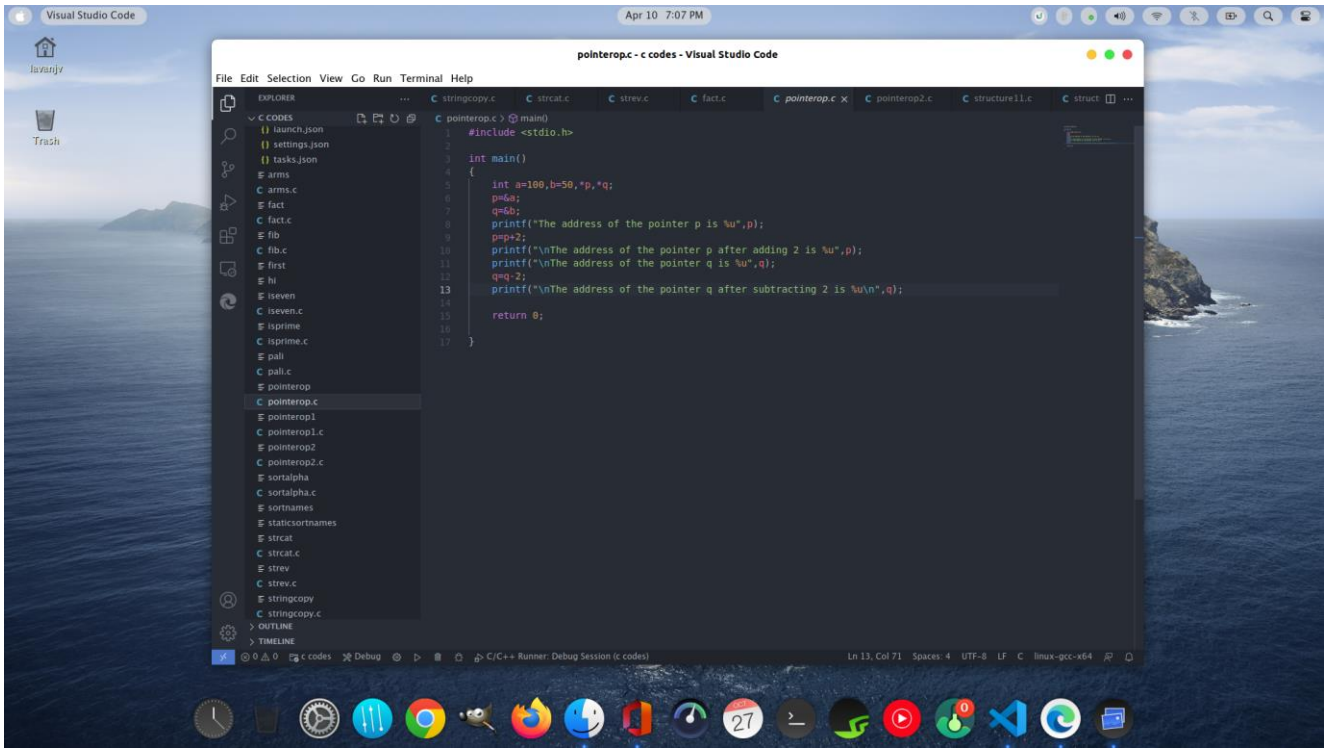

Visual Studio Code
Apr 10 7:05 PM
stringcopy.c - c codes - Visual Studio Code
File Edit Selection View Go Run Terminal Help
#include <stdio.h>
#include <string.h>
#define limit 100
int main()
{
int i;
char source[limit],copy[limit];
printf("Enter the string:");
gets(source);
for(i=0;source[i]!='\0';i++)
{
copy[i]=source[i];
}
copy[i]='\0';
printf("The copied string is:");
puts(copy);
printf("\n");
}

9. Write a C program to find factorial of a number using recursion.

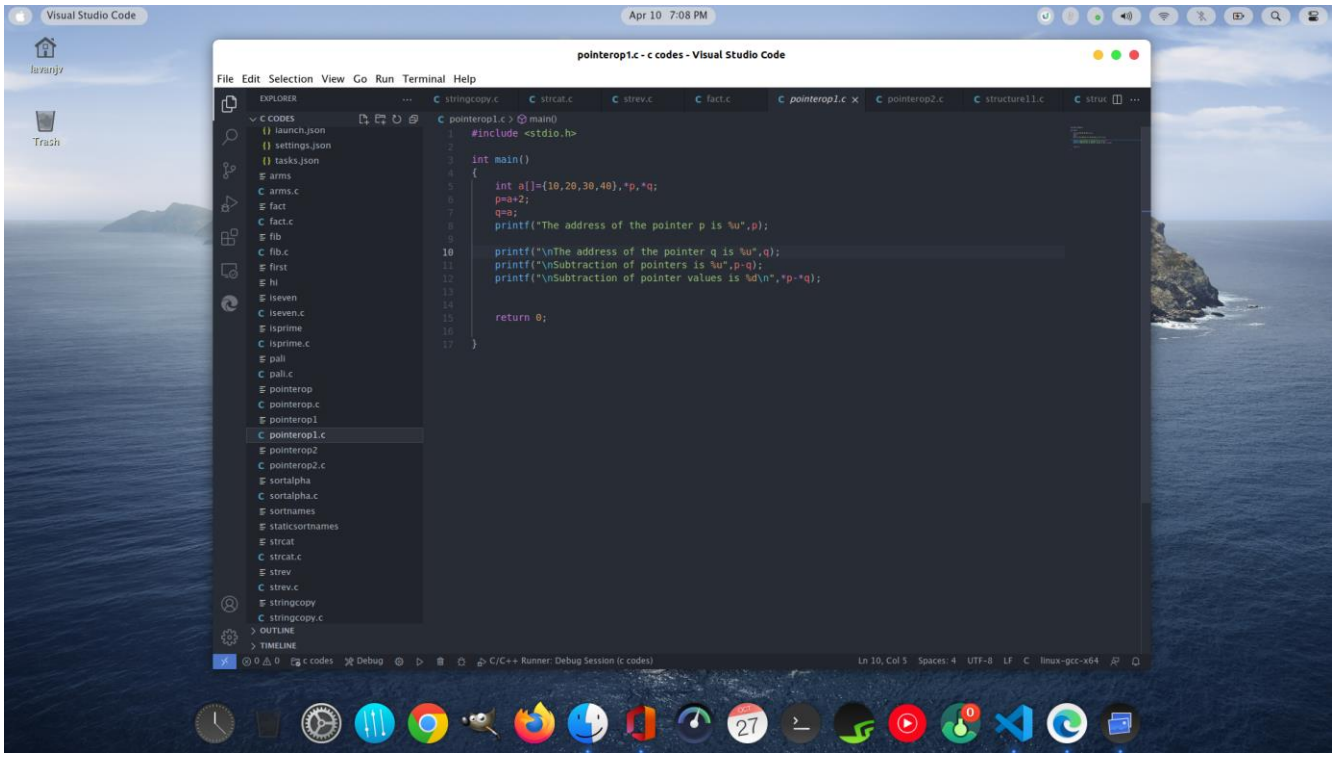


10. Write a C program for the following pointer operations

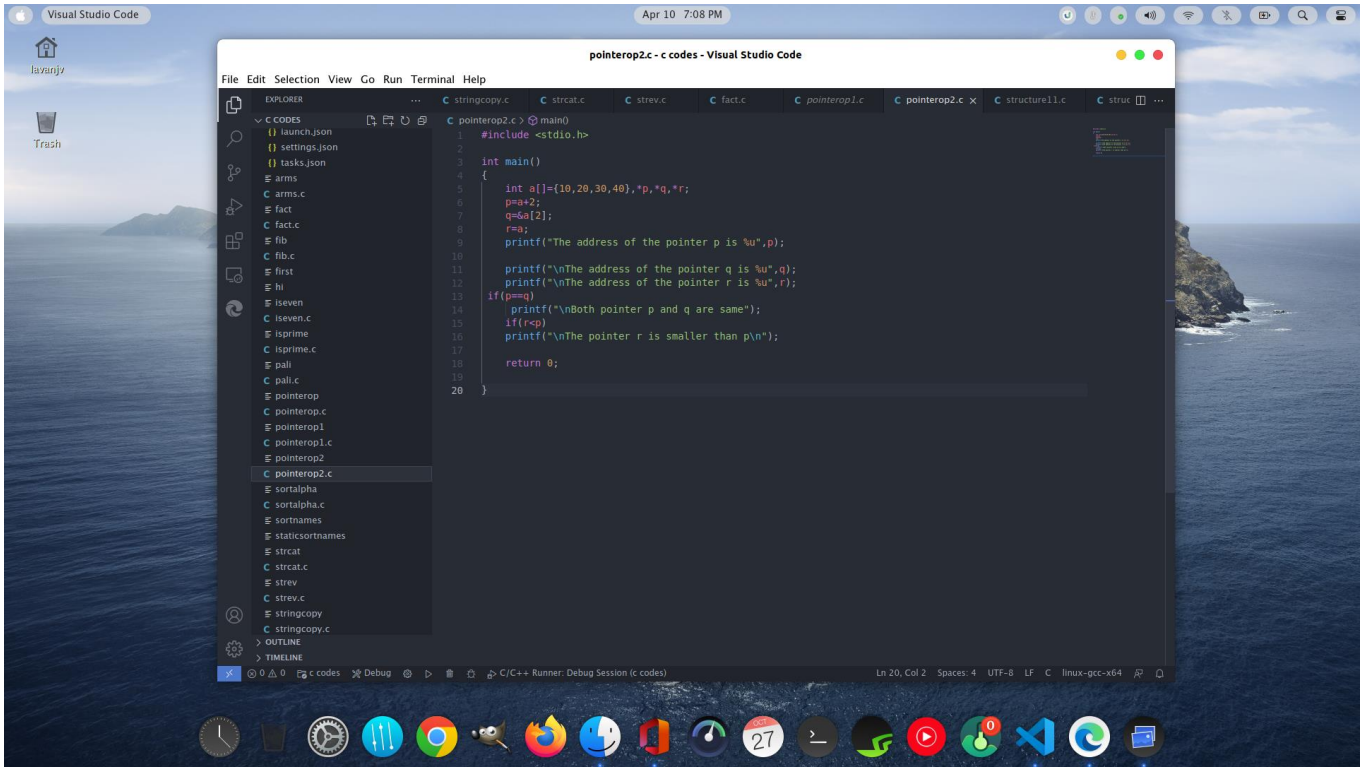
I. Addition/ Subtraction of a constant number to a pointer



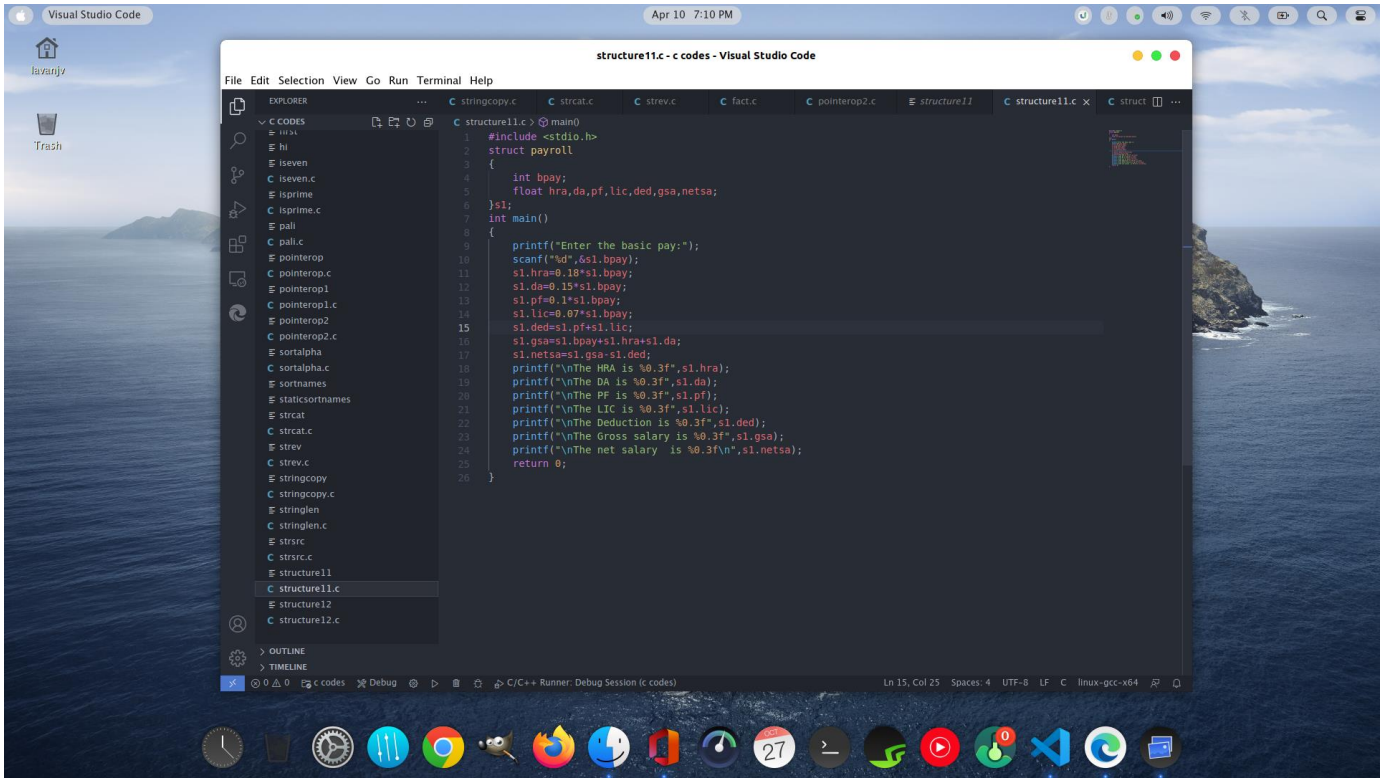
II. Subtraction of one pointer from another



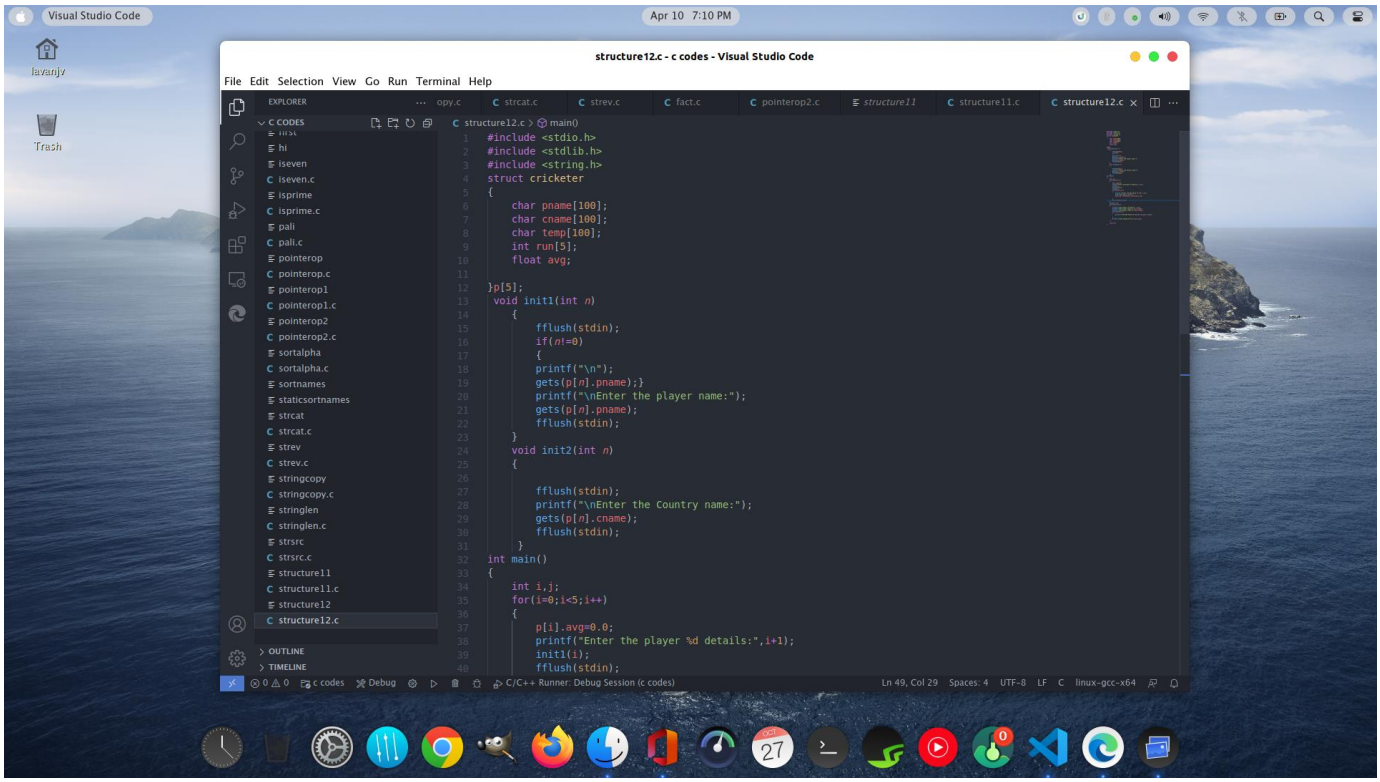
III. Comparison of two pointers

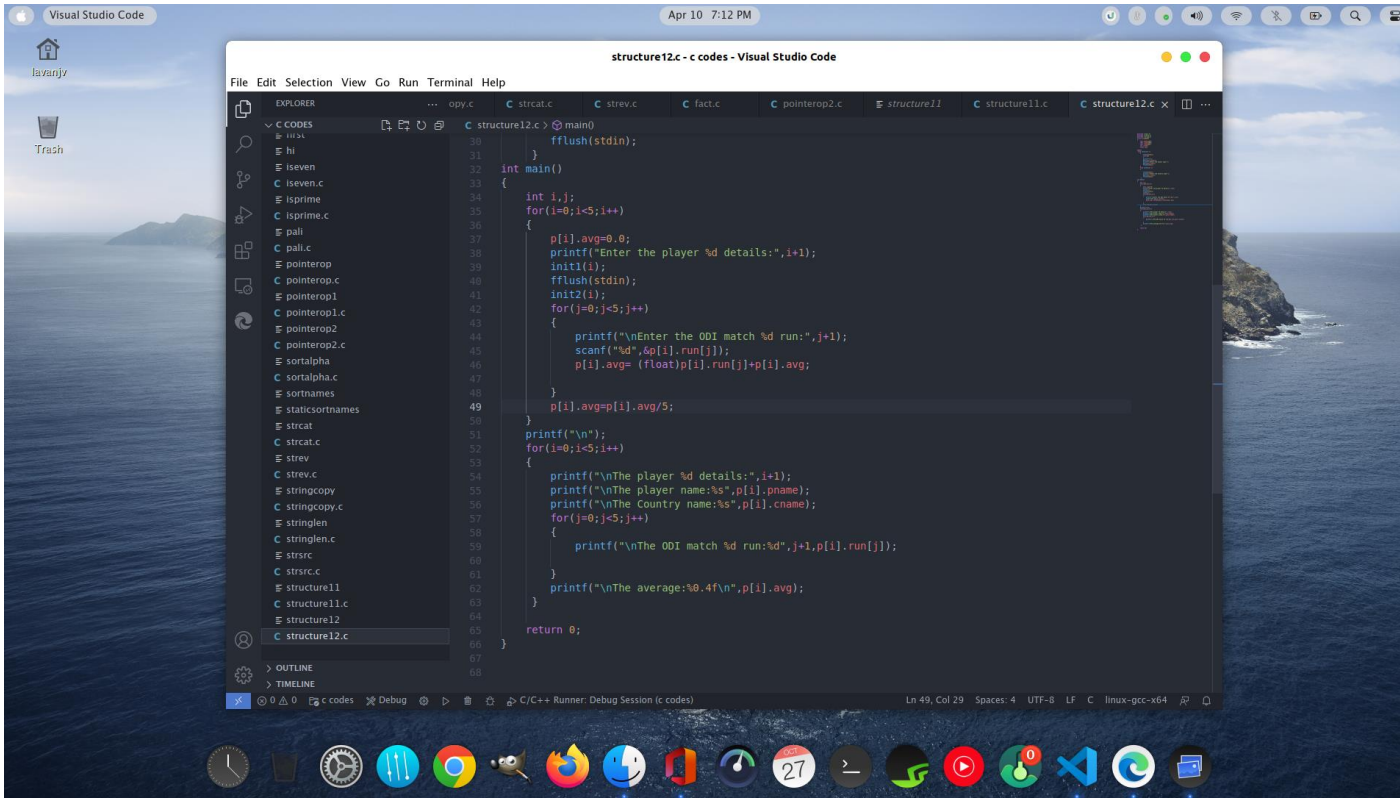


11. Write and execute a C Program to implement payroll application with the given data by using structure. HRA=18% of basic Pay, DA=15% of Basic Pay, PF =10% of Basic Pay,LIC=7% of Basic Pay, Deduction= PF + LIC, Gross Salary = Basic Pay+ HRA + DA, Net Salary = Gross Salary – Deduction.



12. Write a C program to accept records of 5 cricket players using array of structures. The structure should contain name of the player, name of the country, and last 5 One Day International matches runs. Calculate the average runs of each player and display all the details.


Visual Studio Code
Apr 10 7:10 PM
lavanjy
Trash
structure12.c - c codes - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
C CODES
hi
iseven
iseven.c
isprime
isprime.c
pali
pali.c
pointerop
pointerop.c
pointerop1
pointerop1.c
pointerop2
pointerop2.c
sortalpha
sortalpha.c
sortnames
staticsortnames
strcat
strcat.c
strev
strev.c
stringcopy
stringcopy.c
stringlen
stringlen.c
strsrc
strsrc.c
structure11
structure11.c
structure12
structure12.c
OUTLINE
TIMELINE
structure12.c > main()
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
struct cricketer
{
char pname[100];
char cname[100];
char temp[100];
int run[5];
float avg;
}p[5];
void init1(int n)
{
fflush(stdin);
if(n!=0)
{
printf("\n");
gets(p[n].pname);}
printf("\nEnter the player name:");
gets(p[n].pname);
fflush(stdin);
}
void init2(int n)
{
fflush(stdin);
printf("\nEnter the Country name:");
gets(p[n].cname);
fflush(stdin);
}
int main()
{
int i,j;
for(i=0;i<5;i++)
{
p[i].avg=0.0;
printf("Enter the player %d details:",i+1);
init1(i);
fflush(stdin);
c codes
Debug
C/C++ Runner: Debug Session (c codes)
Ln 49, Col 29
Spaces: 4
UTF-8
LF
C
linux-gcc-x64


Visual Studio Code
Apr 10 7:12 PM
lavanjy
Trash
structure12.c - c codes - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
C CODES
hi
iseven
iseven.c
isprime
isprime.c
pali
pali.c
pointerop
pointerop.c
pointerop1
pointerop1.c
pointerop2
pointerop2.c
sortalpha
sortalpha.c
sortnames
staticsortnames
strcat
strcat.c
strev
strev.c
stringcopy
stringcopy.c
stringlen
stringlen.c
strsrc
strsrc.c
structure11
structure11.c
structure12
structure12.c
OUTLINE
TIMELINE
structure12.c
strcat.c
strev.c
fact.c
pointerop2.c
structure11
structure11.c
structure12.c
main()
fflush(stdin);
}
int main()
{
int i,j;
for(i=0;i<5;i++)
{
p[i].avg=0.0;
printf("Enter the player %d details:",i+1);
init1(i);
fflush(stdin);
init2(i);
for(j=0;j<5;j++)
{
printf("\nEnter the ODI match %d run:",j+1);
scanf("%d",&p[i].run[j]);
p[i].avg= (float)p[i].run[j]+p[i].avg;
}
p[i].avg=p[i].avg/5;
}
printf("\n");
for(i=0;i<5;i++)
{
printf("\nThe player %d details:",i+1);
printf("\nThe player name:%s",p[i].pname);
printf("\nThe Country name:%s",p[i].cname);
for(j=0;j<5;j++)
{
printf("\nThe ODI match %d run:%d",j+1,p[i].run[j]);
}
printf("\nThe average:%0.4f\n",p[i].avg);
}
return 0;
}
c codes
Debug
C/C++ Runner: Debug Session (c codes)
Ln 49, Col 29
Spaces: 4
UTF-8
LF
C
linux-gcc-x64