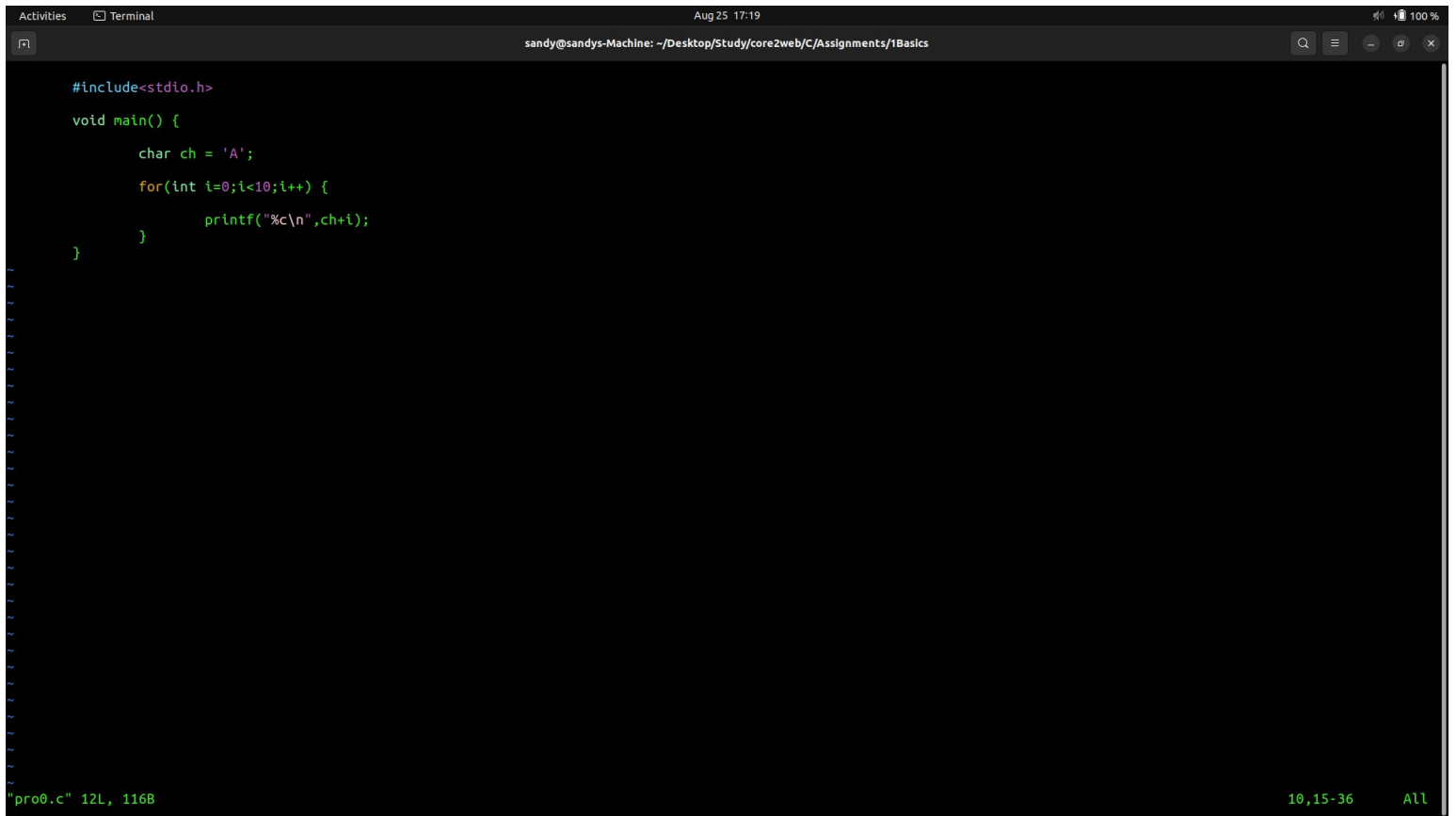


Assignment 2

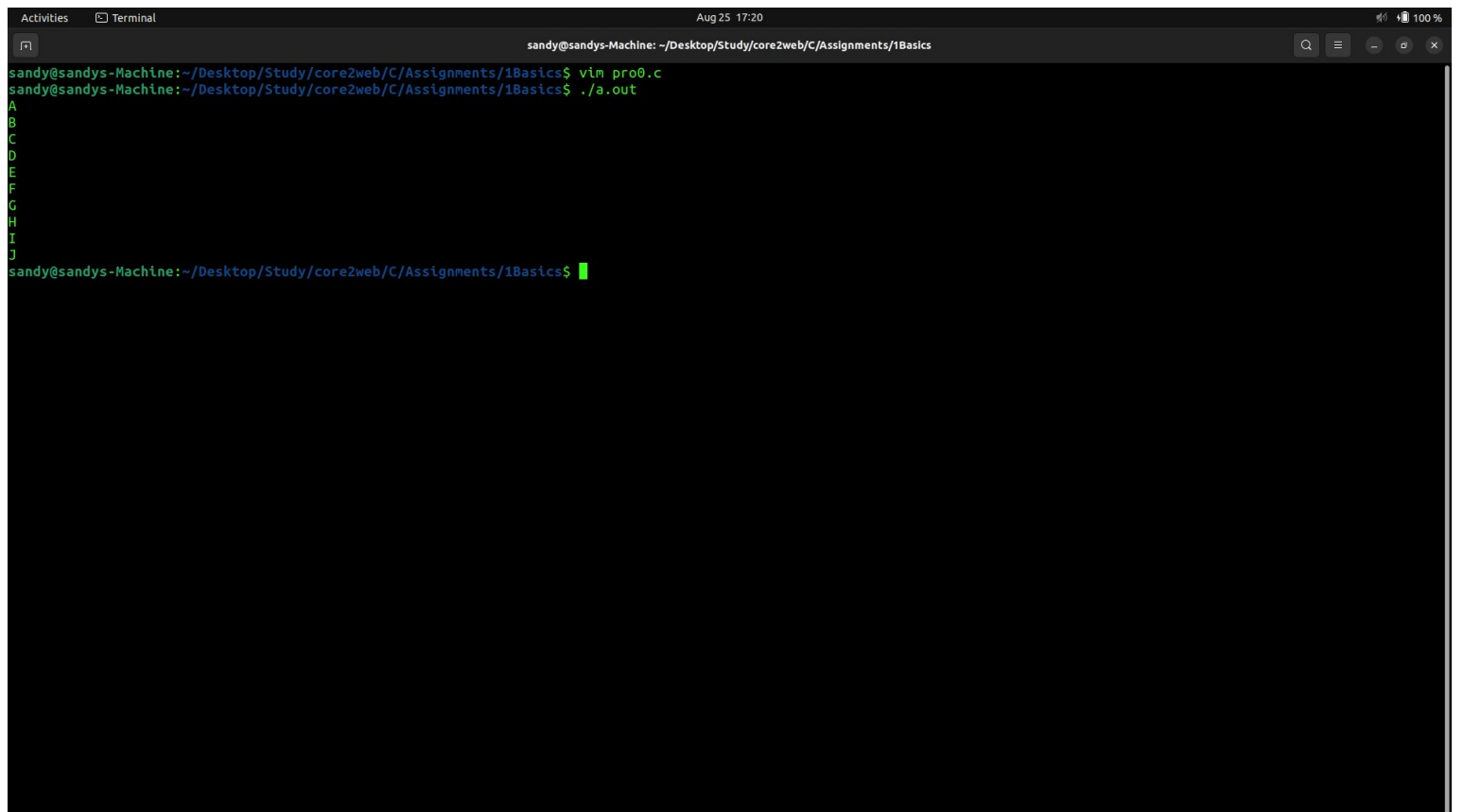
program 1:



```
#include<stdio.h>

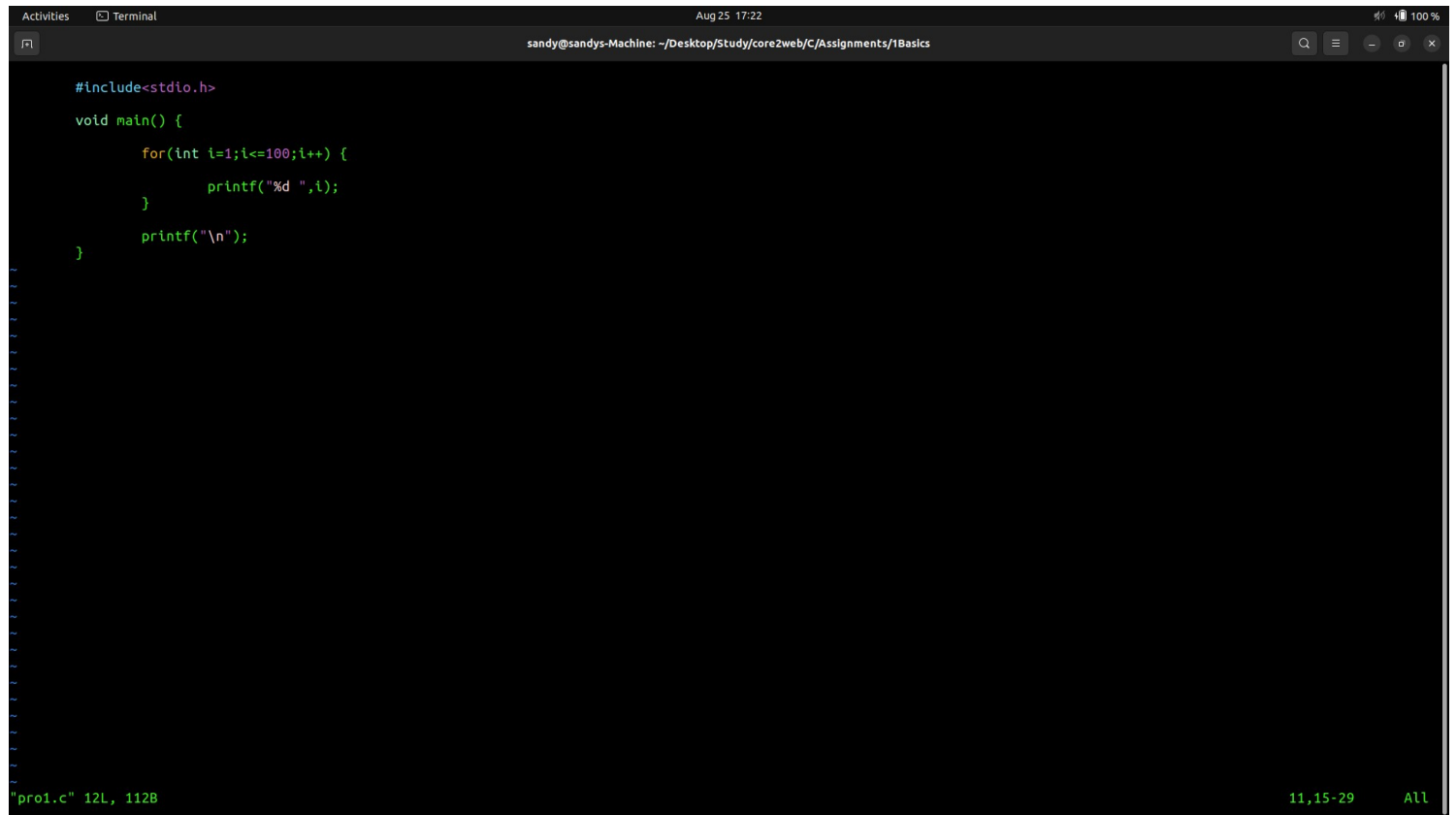
void main() {
    char ch = 'A';
    for(int i=0;i<10;i++) {
        printf("%c\n",ch+i);
    }
}
```

"pro0.c" 12L, 116B 10,15-36 All



```
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$ vim pro0.c
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$ ./a.out
A
B
C
D
E
F
G
H
I
J
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$
```

program2:



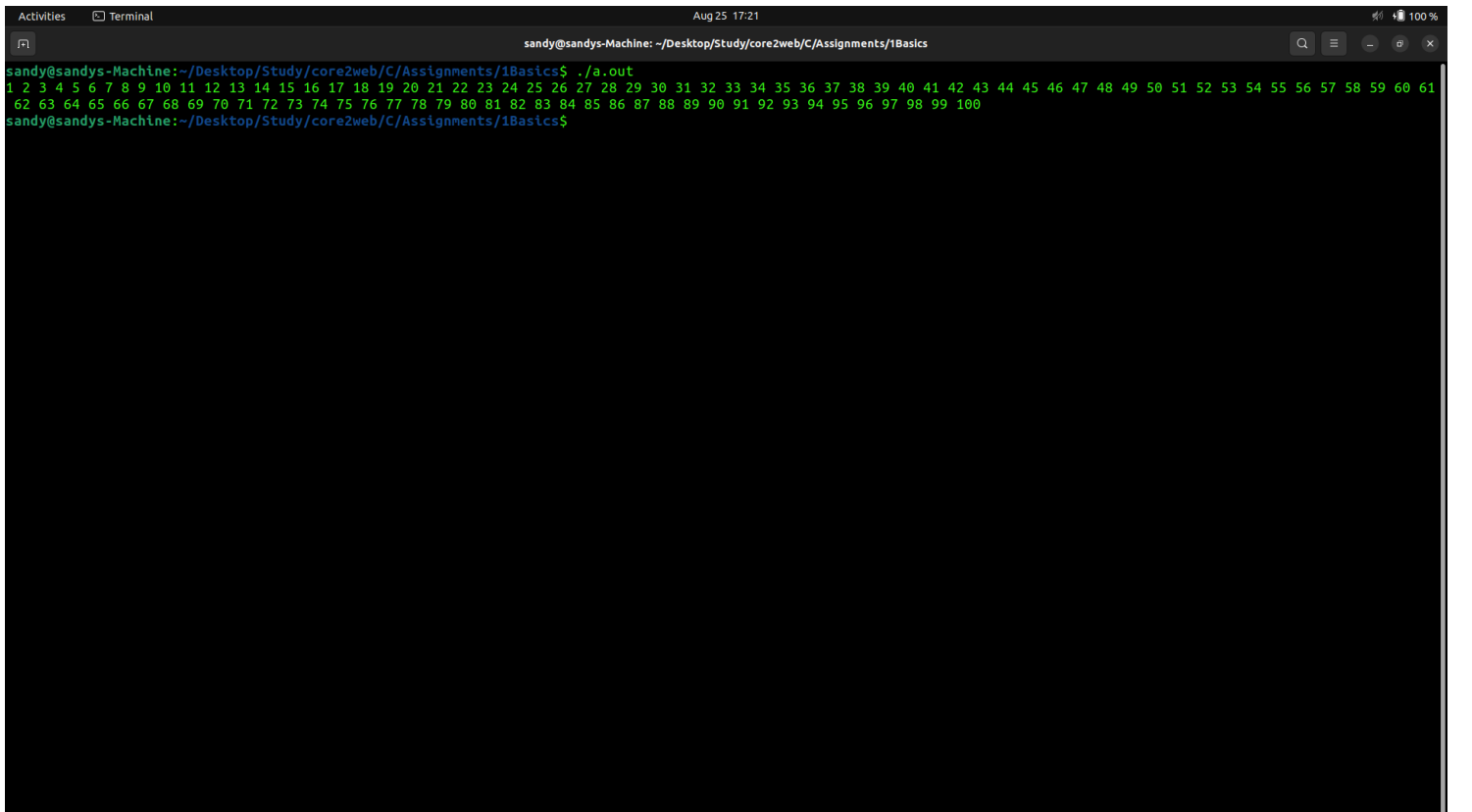
The screenshot shows a terminal window with a dark background. The title bar at the top indicates 'Activities', 'Terminal', and the date 'Aug 25 17:22'. The terminal's address bar shows the path 'sandy@sandys-Machine: ~/Desktop/Study/core2web/C/Assignments/1Basics'. The code being edited is a C program that includes `<stdio.h>` and defines a `main` function. Inside `main`, there is a `for` loop that iterates from `i=1` to `i=100`, printing each value of `i` followed by a space. After the loop, a newline character is printed. The output of the program is a long line of numbers from 1 to 100, wrapped across multiple lines. At the bottom left, a status bar shows '"pro1.c" 12L, 112B'. At the bottom right, a status bar shows '11,15-29 All'.

```
#include<stdio.h>

void main() {
    for(int i=1;i<=100;i++) {
        printf("%d ",i);
    }
    printf("\n");
}
```

"pro1.c" 12L, 112B

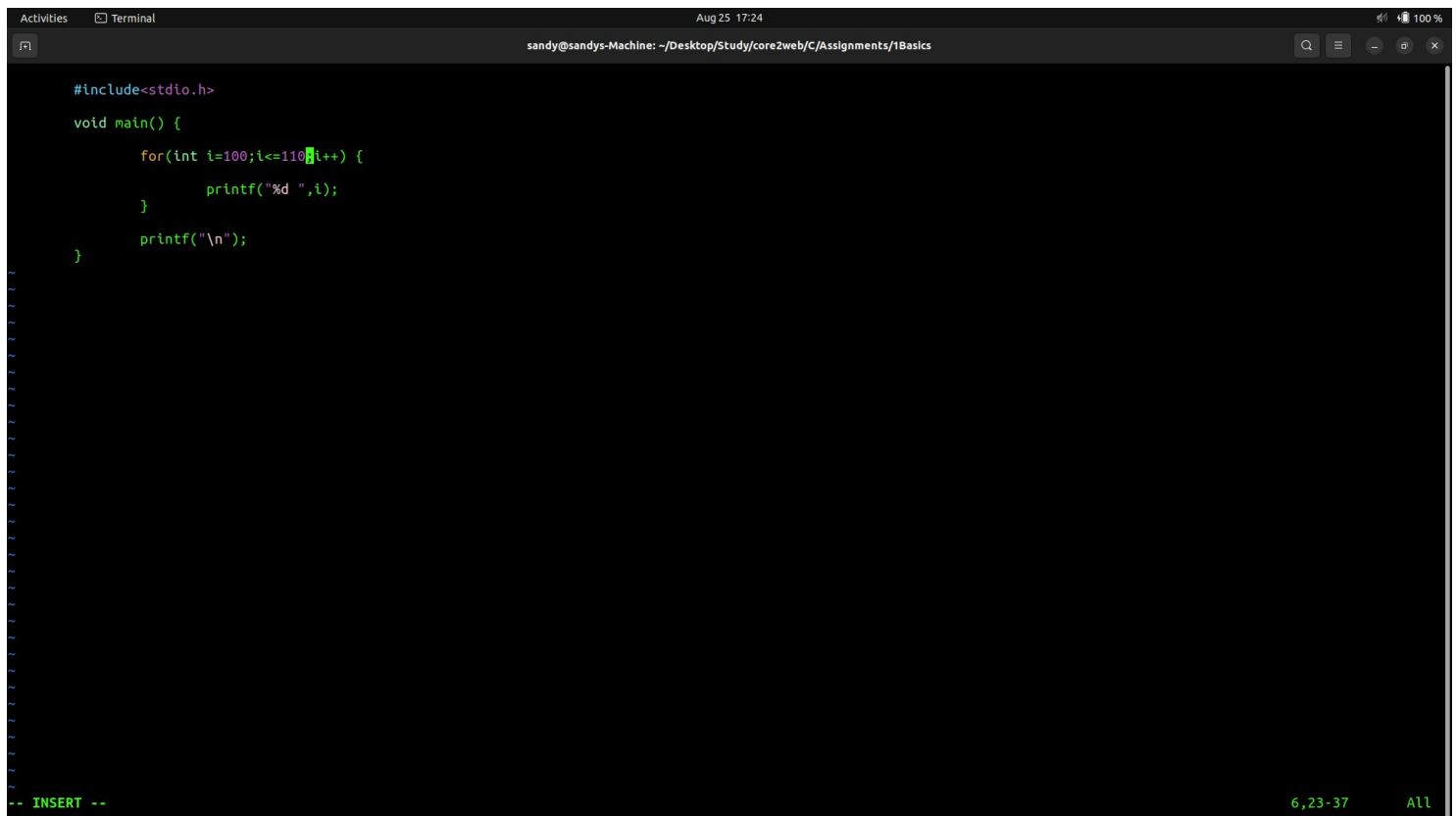
11,15-29 All



The screenshot shows a terminal window with a dark background. The title bar at the top indicates 'Activities', 'Terminal', and the date 'Aug 25 17:21'. The terminal's address bar shows the path 'sandy@sandys-Machine: ~/Desktop/Study/core2web/C/Assignments/1Basics'. The prompt shows the user is in the directory `~/Desktop/Study/core2web/C/Assignments/1Basics`. The user has entered the command `./a.out`, and the output is a long line of numbers from 1 to 100, wrapped across multiple lines. The prompt is now `sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$`.

```
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$ ./a.out
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61
62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$
```

program3:

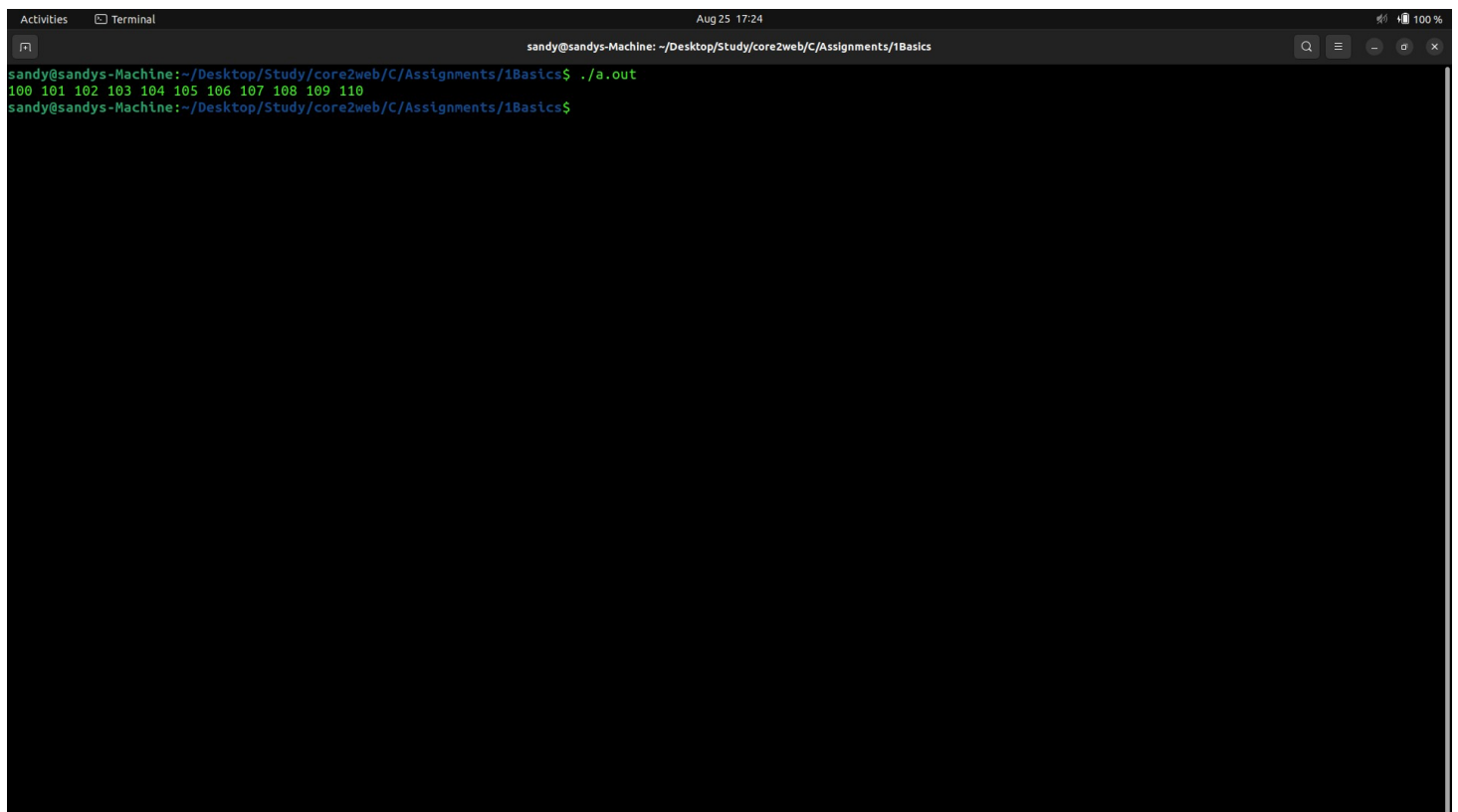


```
#include<stdio.h>

void main() {
    for(int i=100;i<=110;i++) {
        printf("%d ",i);
    }
    printf("\n");
}
```

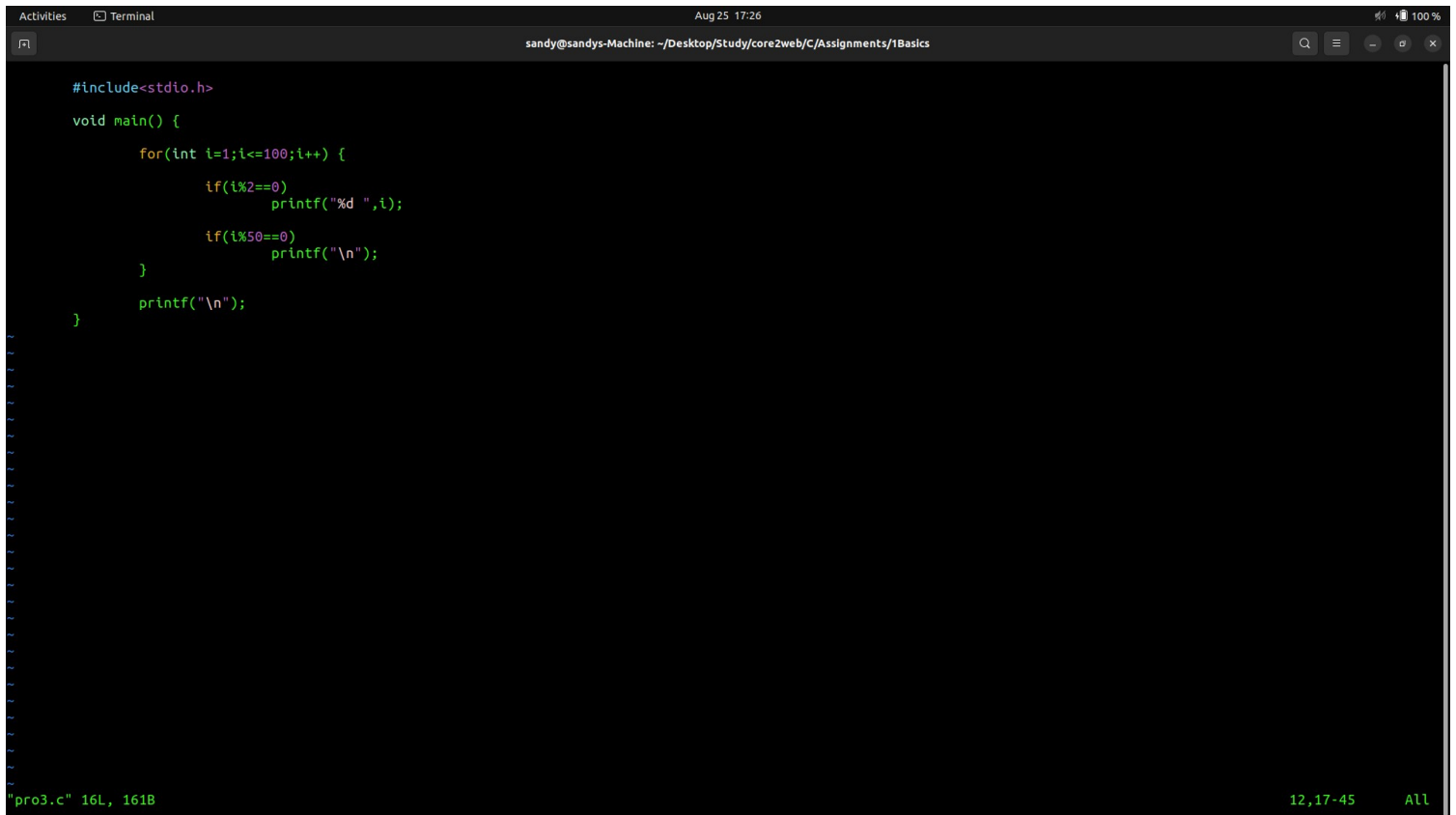
-- INSERT --

6,23-37 All



```
sandy@sandys-Machine: ~/Desktop/Study/core2web/C/Assignments/1Basics$ ./a.out
100 101 102 103 104 105 106 107 108 109 110
sandy@sandys-Machine: ~/Desktop/Study/core2web/C/Assignments/1Basics$
```

program4:

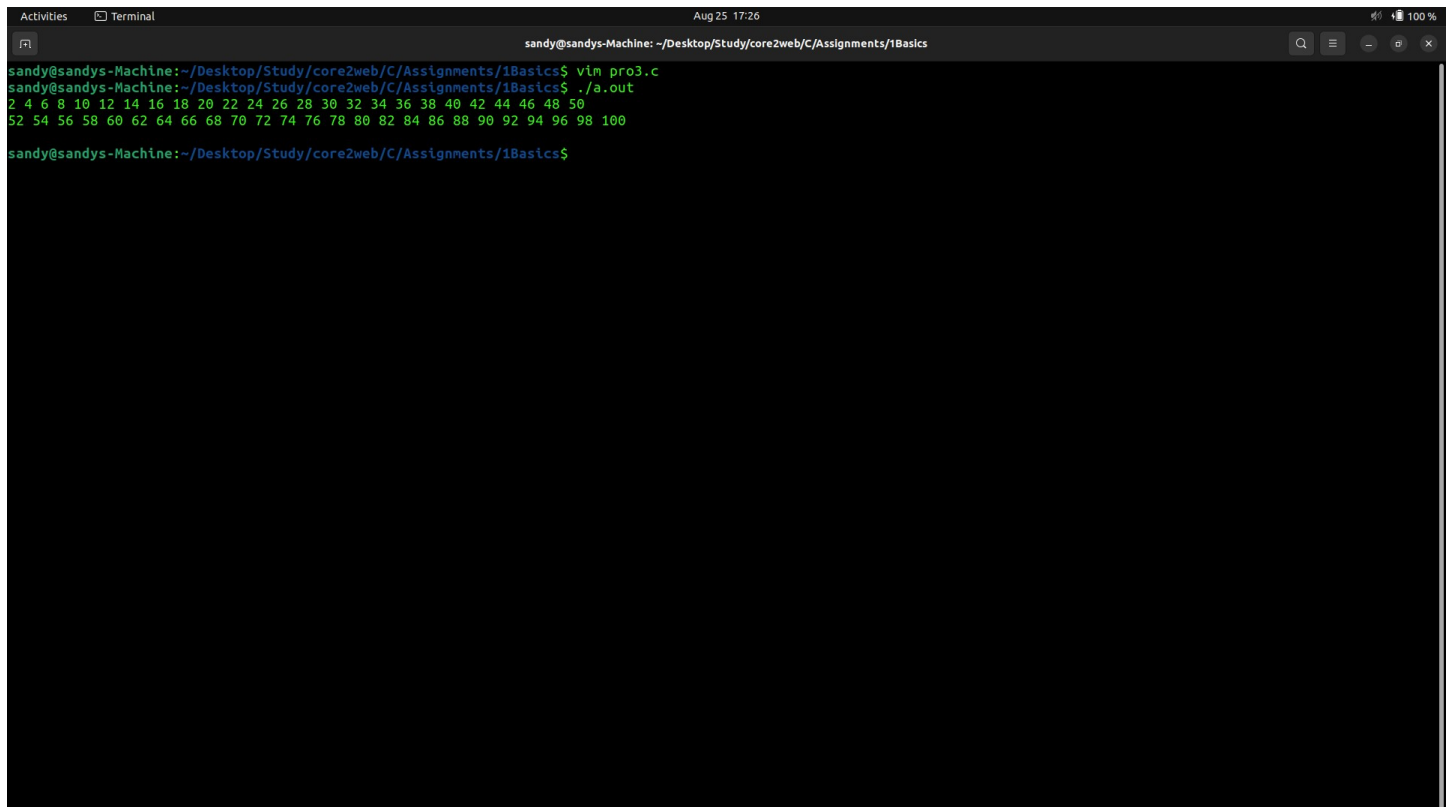


```
#include<stdio.h>

void main() {
    for(int i=1;i<=100;i++) {
        if(i%2==0)
            printf("%d ",i);

        if(i%50==0)
            printf("\n");
    }
    printf("\n");
}
```

"pro3.c" 16L, 161B 12,17-45 All



```
sandy@sandys-Machine: ~/Desktop/Study/core2web/C/Assignments/1Basics
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$ vim pro3.c
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$ ./a.out
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50
52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$
```

program5:

The image shows a terminal window with a dark background. At the top, the title bar reads "Activities" and "Terminal". The system clock shows "Aug 25 17:29". The terminal's command prompt is "sandy@sandys-Machine: ~/Desktop/Study/core2web/C/Assignments/1Basics". The code being displayed is a C program named "pro4.c" that prints a 128x128 grid of characters. The code is as follows:

```
#include<stdio.h>

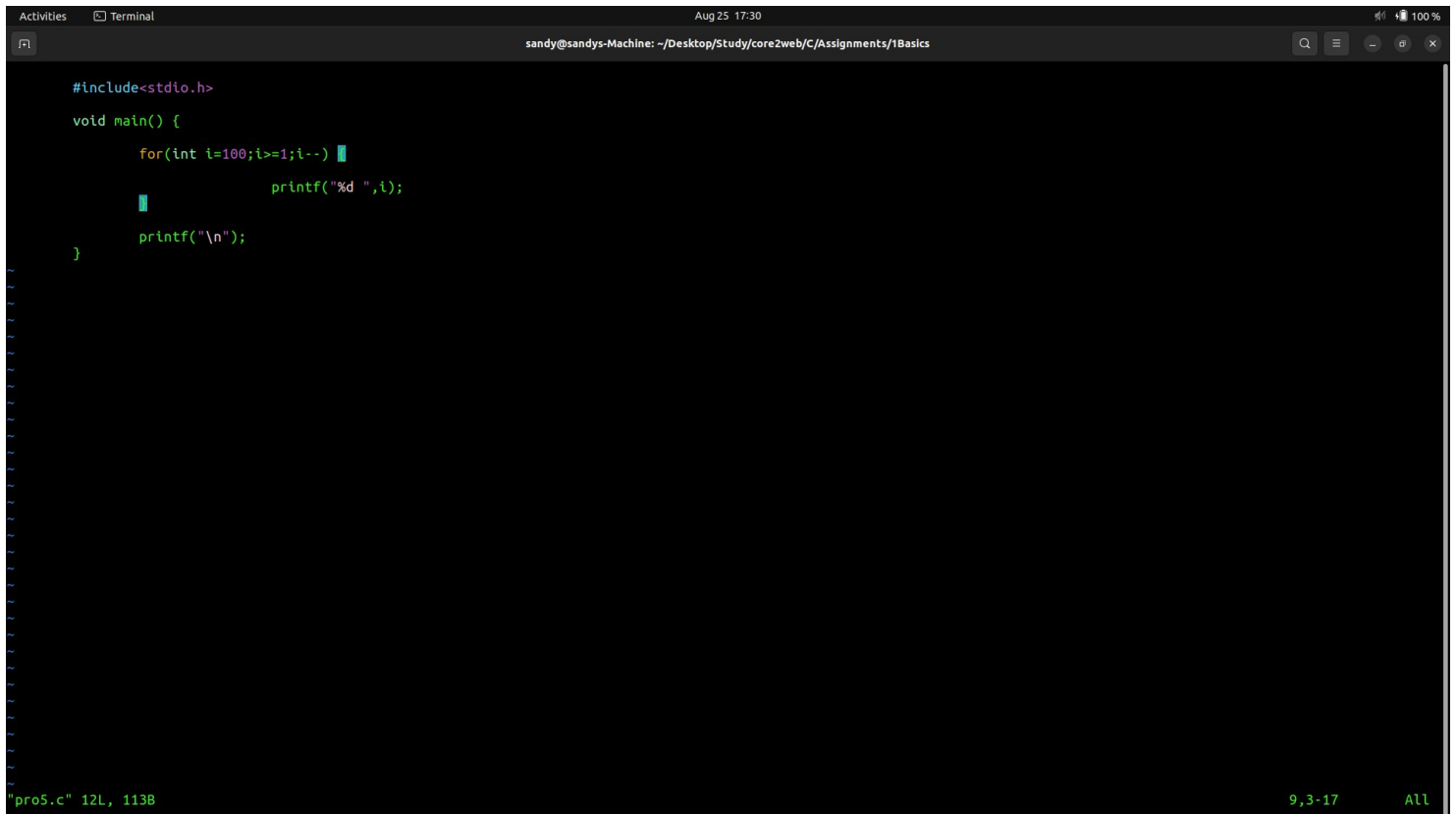
void main() {
    for(int i=0;i<=127;i++) {
        printf("%d:%c\t",i,i);
    }
    printf("\n");
}
```

At the bottom of the terminal, the command prompt shows "pro4.c" 12L, 121B. On the right side of the bottom bar, there are two status indicators: "8,21-49" and "All".

The image shows a terminal window on a Linux system. The title bar indicates the date and time as 'Aug 25 17:28'. The terminal prompt is 'sandy@sandys-Machine: ~/Desktop/Study/core2web/C/Assignments/1Basics'. The user has executed the command 'cat /dev/urandom | tr -dc 'a-z0-9' | fold -w 10 | xargs -n 10 shuf -i 0-255 -m | xargs -n 10 shuf -i 0-255 -m'. The output is a 10x10 grid of random alphanumeric characters, with each row and column containing 10 characters. The characters are displayed in a monospaced font, and the grid is centered on the screen.

0:	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:
	11:									
		12:								
4:	14:	15:	16:	17:	18:	19:	20:	21:	22:	23:
5:#	25:	26:4	27:	8:	29:	30:	31:	32:	33:!	34:"
6:.	36:\$	37:%	38:&	39:'	40:(41:)	42:*	43:+	44:,	45:-
7:9	47:/	48:0	49:1	50:2	51:3	52:4	53:5	54:6	55:7	56:8
8:D	58::	59:;	60:<	61:=	62:>	63:?	64:@	65:A	66:B	67:C
9:0	69:E	70:F	71:G	72:H	73:I	74:J	75:K	76:L	77:M	78:N
0:Z	80:P	81:Q	82:R	83:S	84:T	85:U	86:V	87:W	88:X	89:Y
01:e	91:[92:\	93:]	94:^	95:_	96:`	97:a	98:b	99:c	100:d
12:p	102:f	103:g	104:h	105:i	106:j	107:k	108:l	109:m	110:n	111:o
23:{	113;q	114:r	115:s	116:t	117:u	118:v	119:w	120:x	121:y	122:z
	124:	125>}	126:~	127:						

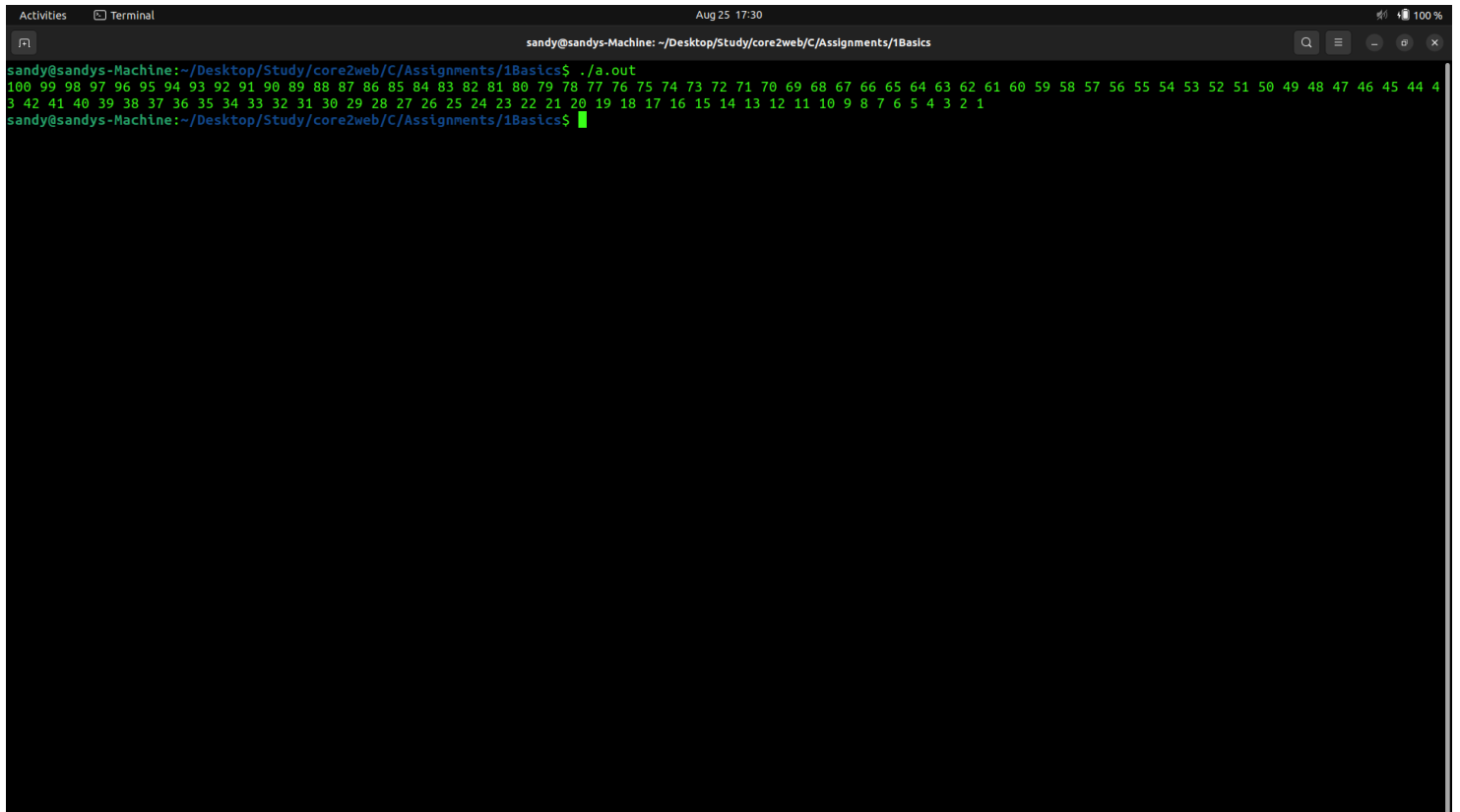
Program:6



The screenshot shows a terminal window with a dark background. The title bar at the top indicates the date and time as 'Aug 25 17:30'. The terminal's address bar shows the current directory as `~/Desktop/Study/core2web/C/Assignments/1Basics`. The code being edited is a C program that includes `<stdio.h>` and defines a `main` function. Inside `main`, there is a `for` loop that starts at `i=100` and decrements `i` until it reaches `1`. In each iteration, the program prints the value of `i` followed by a space. After the loop, a newline character is printed. The status bar at the bottom of the editor shows the filename `"pro5.c"`, the cursor position `12L, 113B`, the line range `9,3-17`, and the scope `All`.

```
#include<stdio.h>

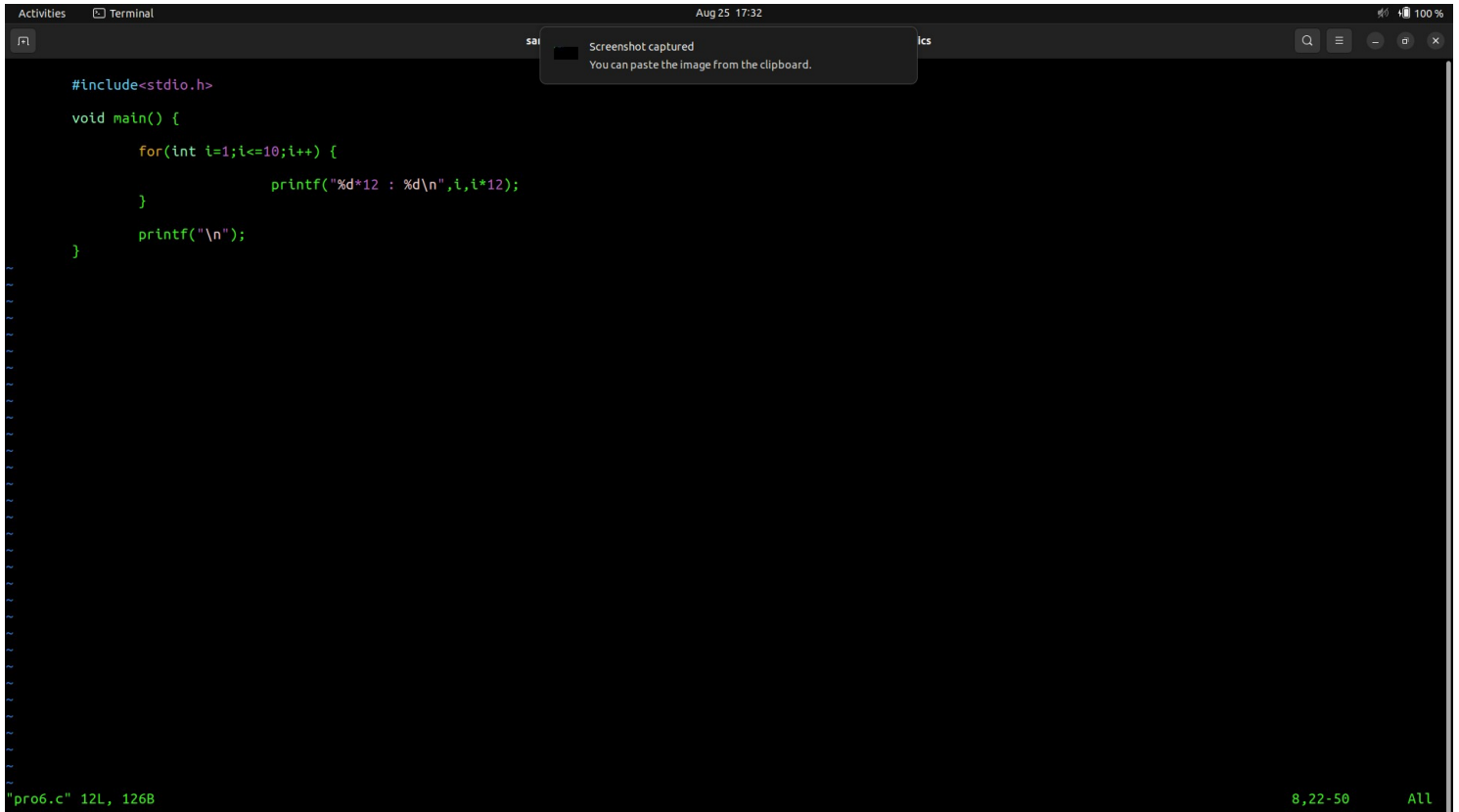
void main() {
    for(int i=100;i>=1;i--)
        printf("%d ",i);
    printf("\n");
}
```



This screenshot shows the terminal after the program has been executed. The prompt is `sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$`. The user has entered `./a.out`, and the terminal displays the output: a single line of numbers from 100 down to 1, separated by spaces. The status bar at the bottom of the terminal is empty.

```
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$ ./a.out
100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$
```

Program7:

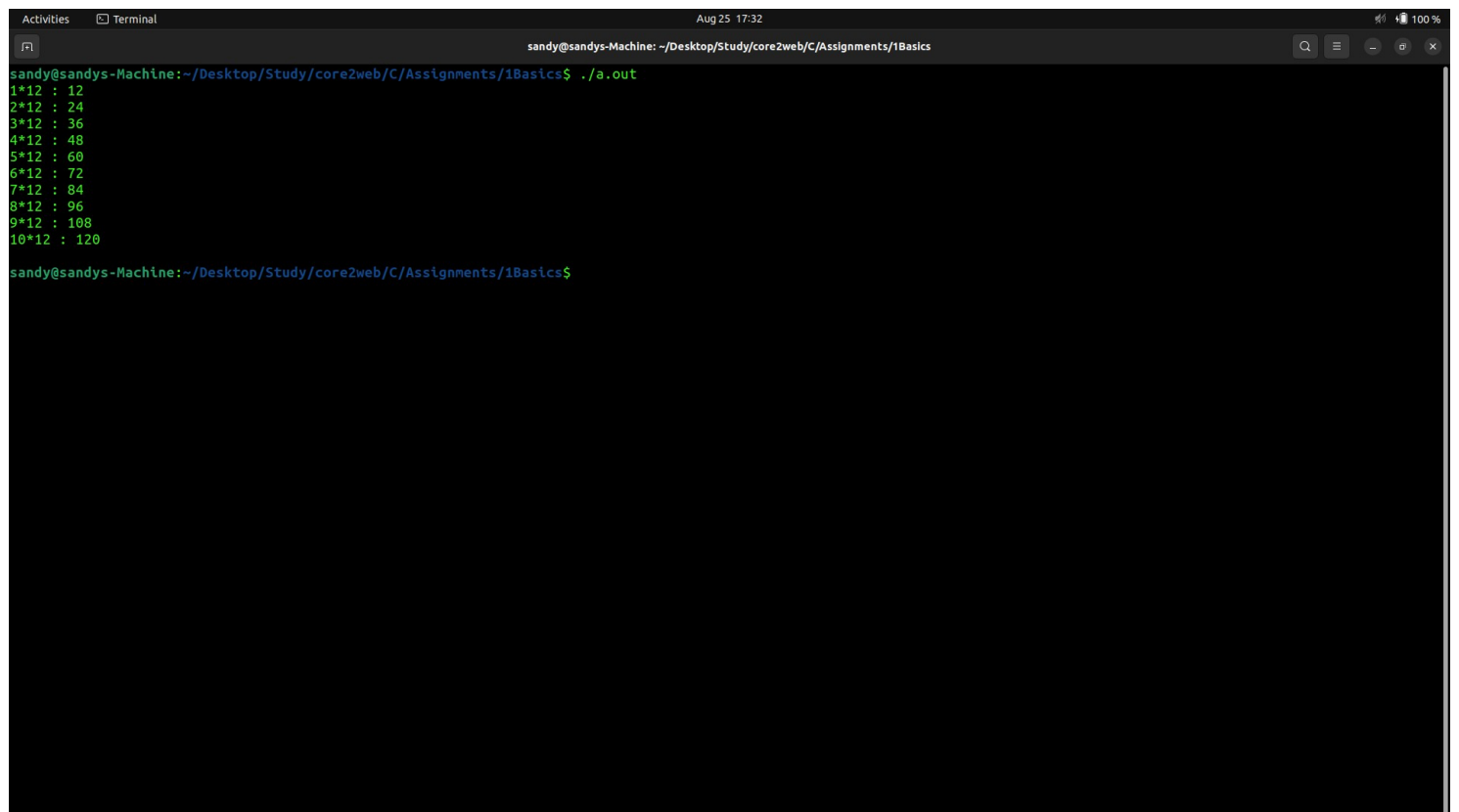


```
#include<stdio.h>

void main() {
    for(int i=1;i<=10;i++) {
        printf("%d*12 : %d\n",i,i*12);
    }
    printf("\n");
}
```

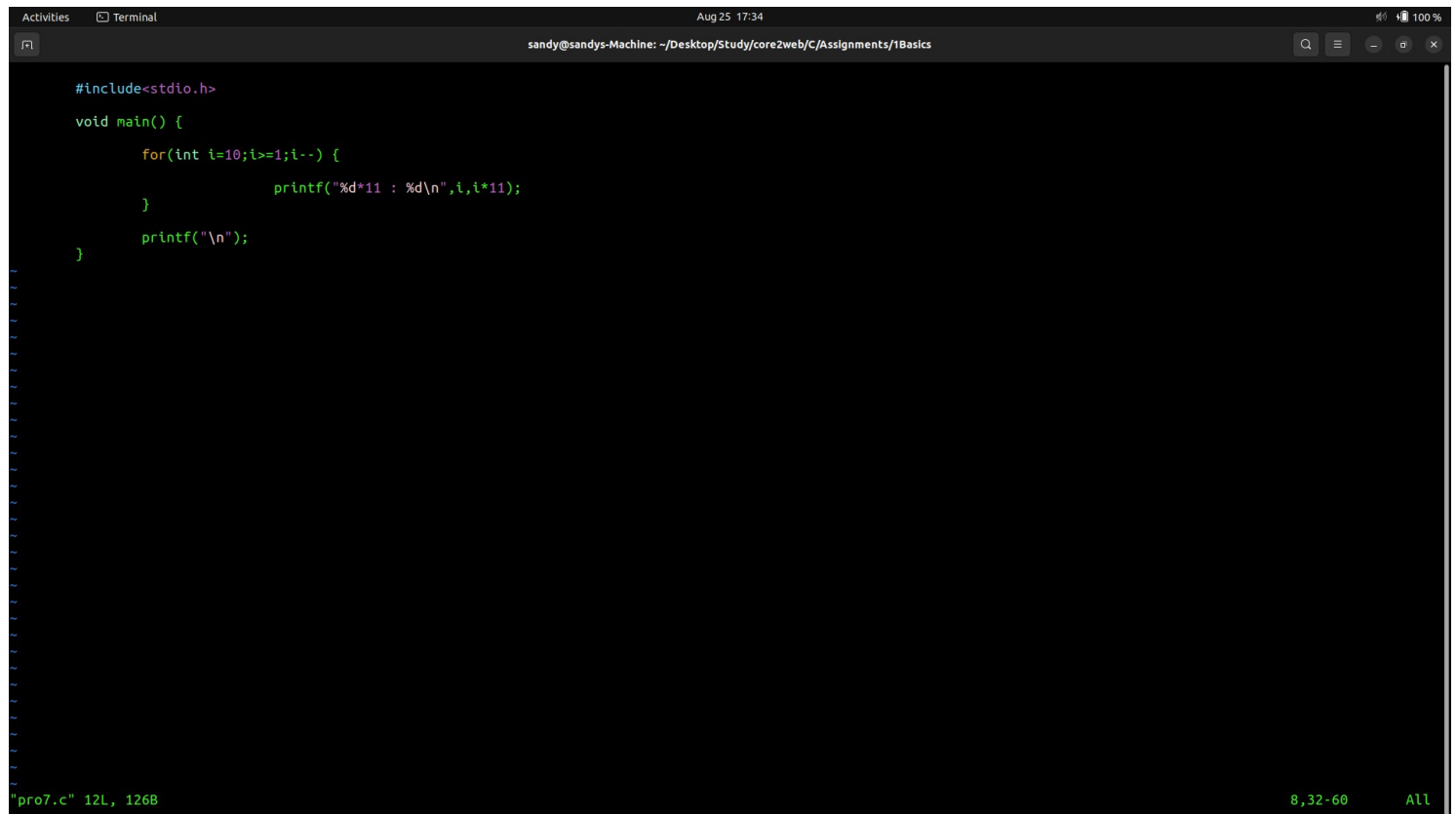
"pro6.c" 12L, 126B

8,22-50 All



```
sandy@sandys-Machine: ~/Desktop/Study/core2web/C/Assignnents/1Basics
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignnents/1Basics$ ./a.out
1*12 : 12
2*12 : 24
3*12 : 36
4*12 : 48
5*12 : 60
6*12 : 72
7*12 : 84
8*12 : 96
9*12 : 108
10*12 : 120
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignnents/1Basics$
```

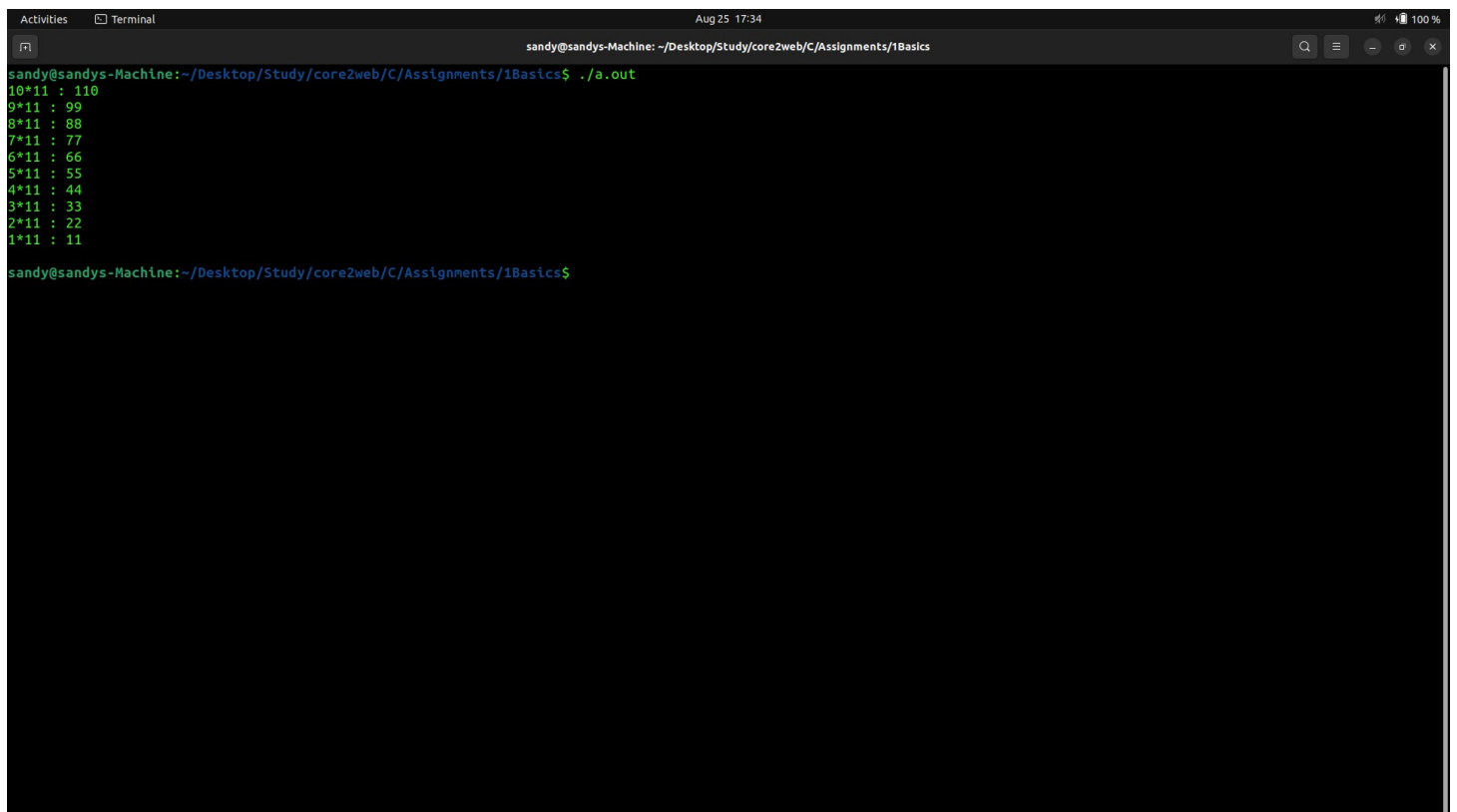
Program 8:



```
#include<stdio.h>

void main() {
    for(int i=10;i>=1;i--) {
        printf("%d*11 : %d\\n",i,i*11);
    }
    printf("\\n");
}
```

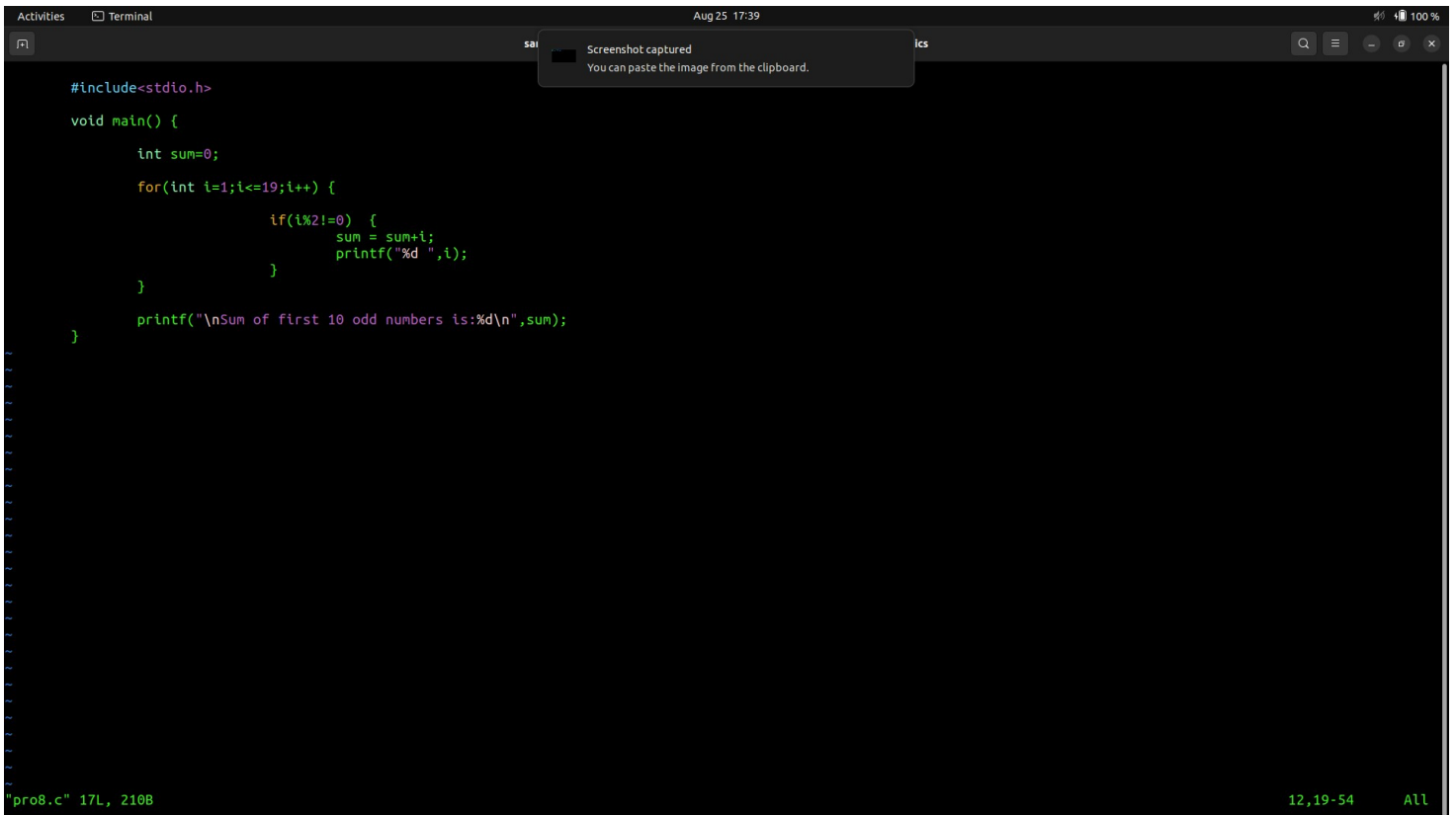
"pro7.c" 12L, 126B 8,32-60 All



```
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$ ./a.out
10*11 : 110
9*11 : 99
8*11 : 88
7*11 : 77
6*11 : 66
5*11 : 55
4*11 : 44
3*11 : 33
2*11 : 22
1*11 : 11

sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$
```


Program 9:

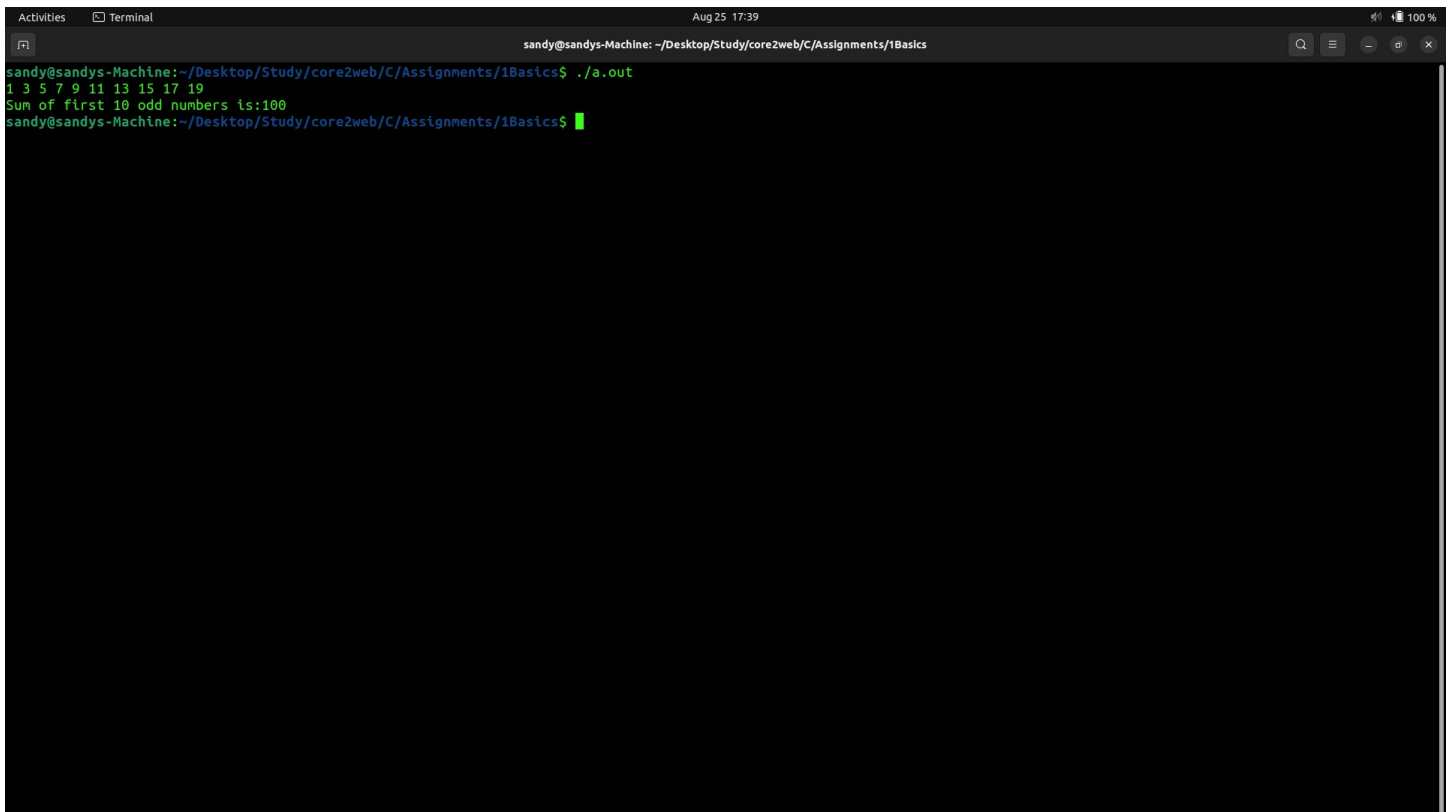


```
#include<stdio.h>

void main() {
    int sum=0;
    for(int i=1;i<=19;i++) {
        if(i%2!=0) {
            sum = sum+i;
            printf("%d ",i);
        }
    }
    printf("\nSum of first 10 odd numbers is:%d\n",sum);
}
```

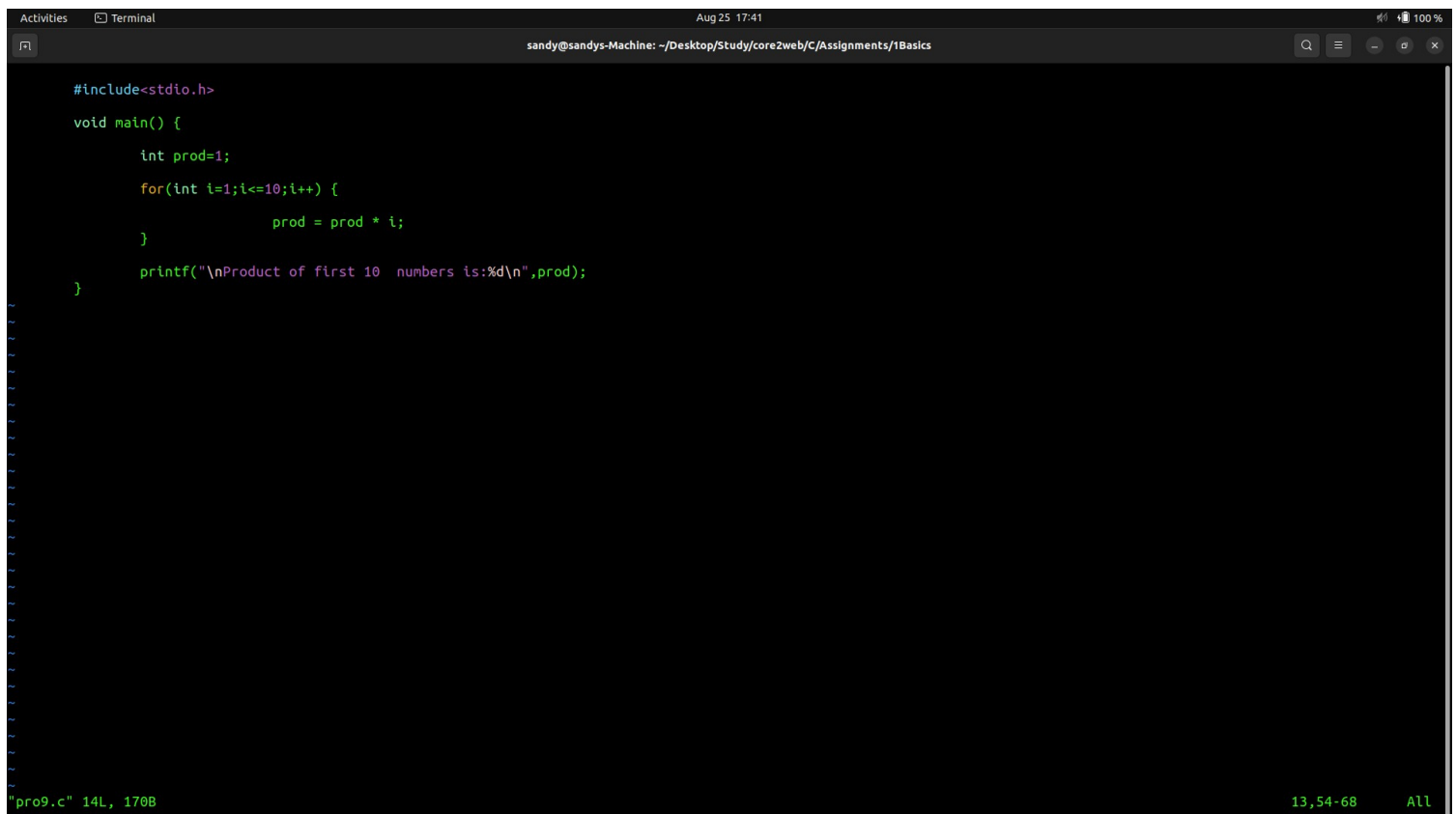
Notification: Screenshot captured. You can paste the image from the clipboard.

Terminal status: "pro8.c" 17L, 210B | 12,19-54 | All



```
sandy@sandys-Machine: ~/Desktop/Study/core2web/C/Assignments/1Basics
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$ ./a.out
1 3 5 7 9 11 13 15 17 19
Sum of first 10 odd numbers is:100
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$
```

Program 10:

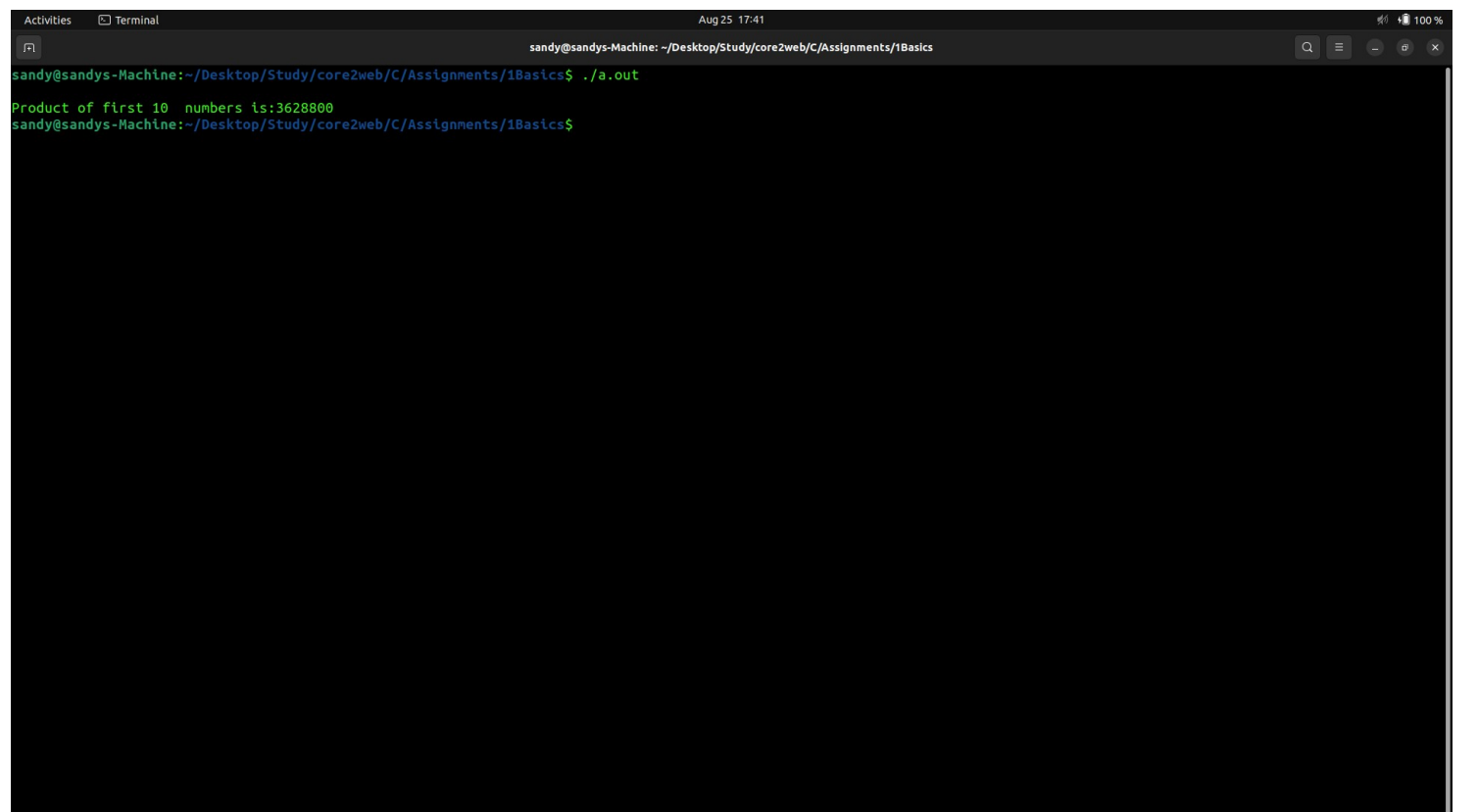


```
Activities Terminal Aug 25 17:41
sandy@sandys-Machine: ~/Desktop/Study/core2web/C/Assignments/1Basics

#include<stdio.h>

void main() {
    int prod=1;
    for(int i=1;i<=10;i++) {
        prod = prod * i;
    }
    printf("\nProduct of first 10 numbers is:%d\n",prod);
}
```

"pro9.c" 14L, 170B 13,54-68 All



```
Activities Terminal Aug 25 17:41
sandy@sandys-Machine: ~/Desktop/Study/core2web/C/Assignments/1Basics

sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$ ./a.out
Product of first 10 numbers is:3628800
sandy@sandys-Machine:~/Desktop/Study/core2web/C/Assignments/1Basics$
```