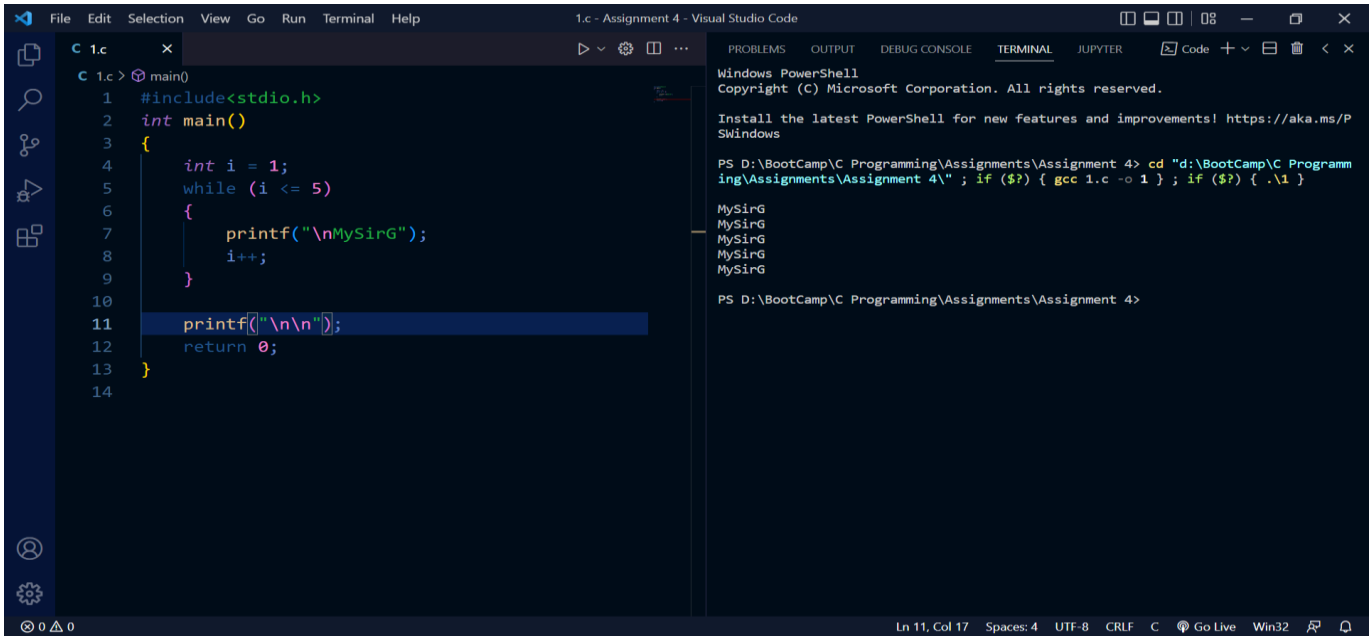
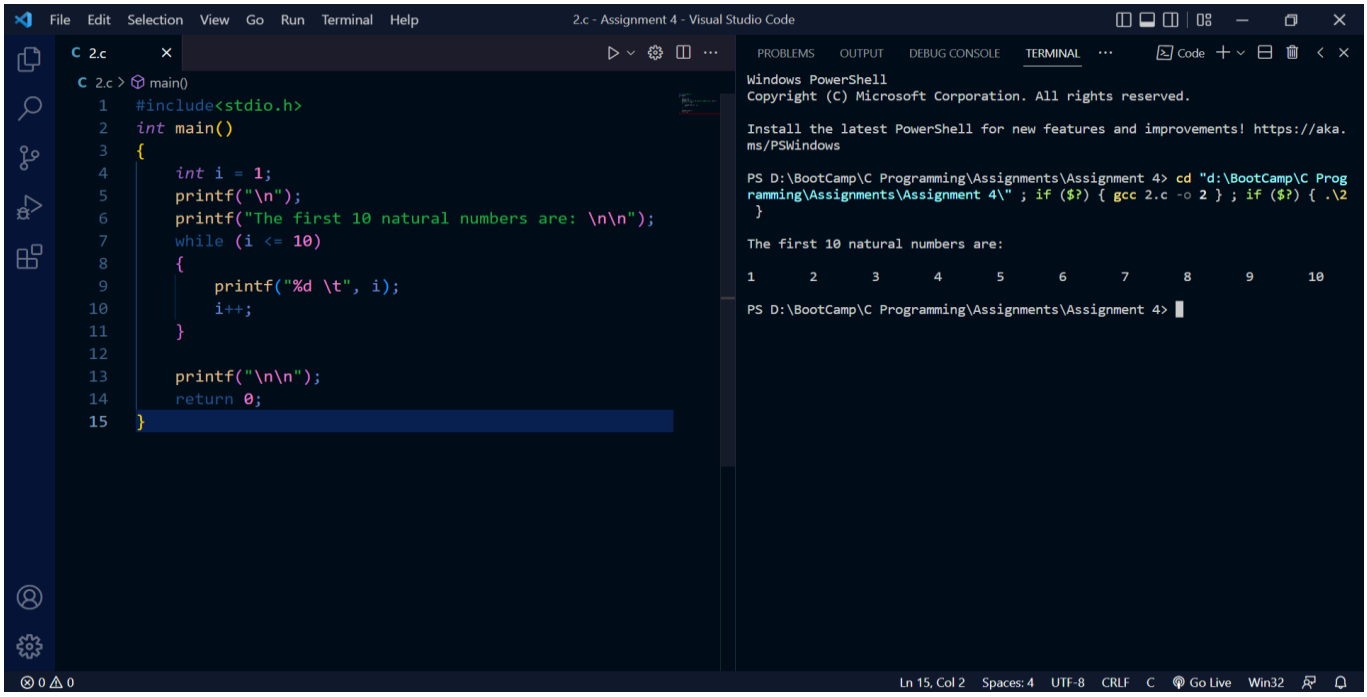
ASSIGNMENT – 04

(Iterative Control Statements)

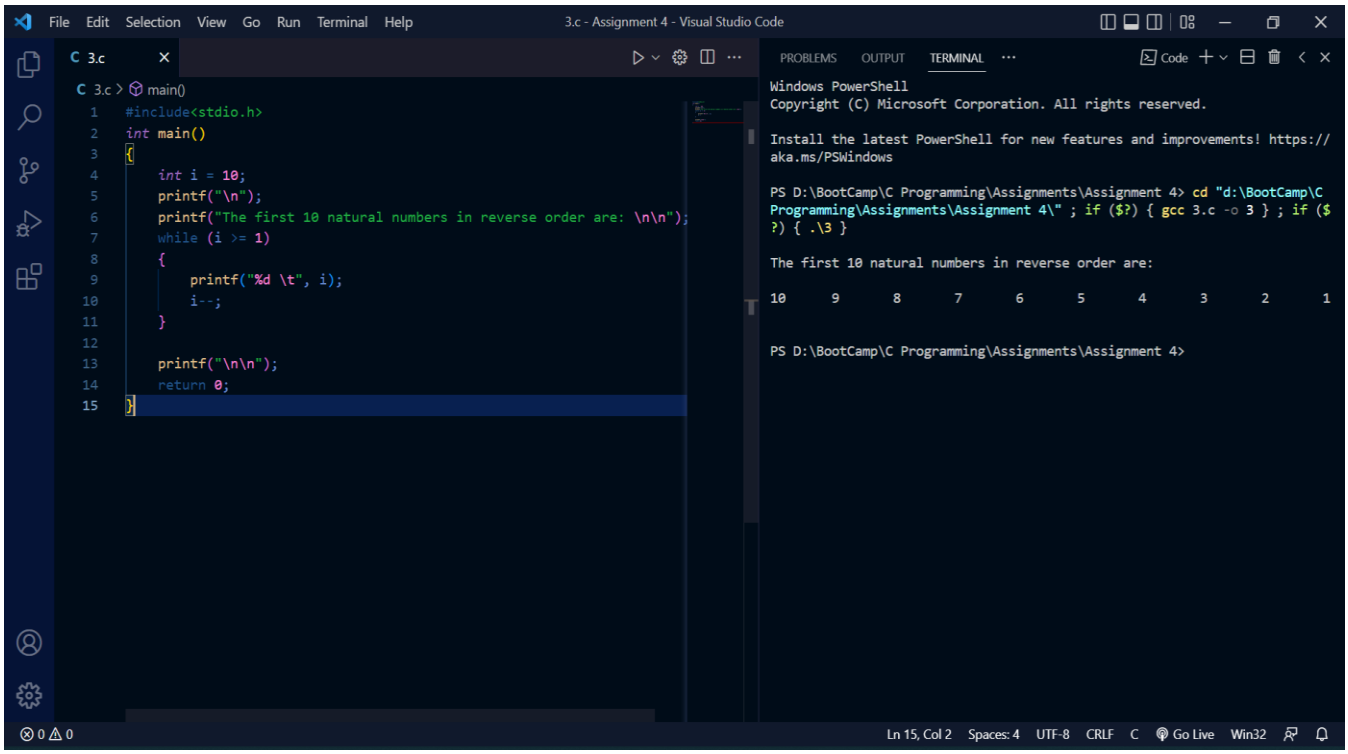
Q1.



Q2.



Q3.


File Edit Selection View Go Run Terminal Help
3.c - Assignment 4 - Visual Studio Code
3.c
3.c > main()
#include<stdio.h>
int main()
{
int i = 10;
printf("\n");
printf("The first 10 natural numbers in reverse order are: \n\n");
while (i >= 1)
{
printf("%d \t", i);
i--;
}
printf("\n\n");
return 0;
}
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Code
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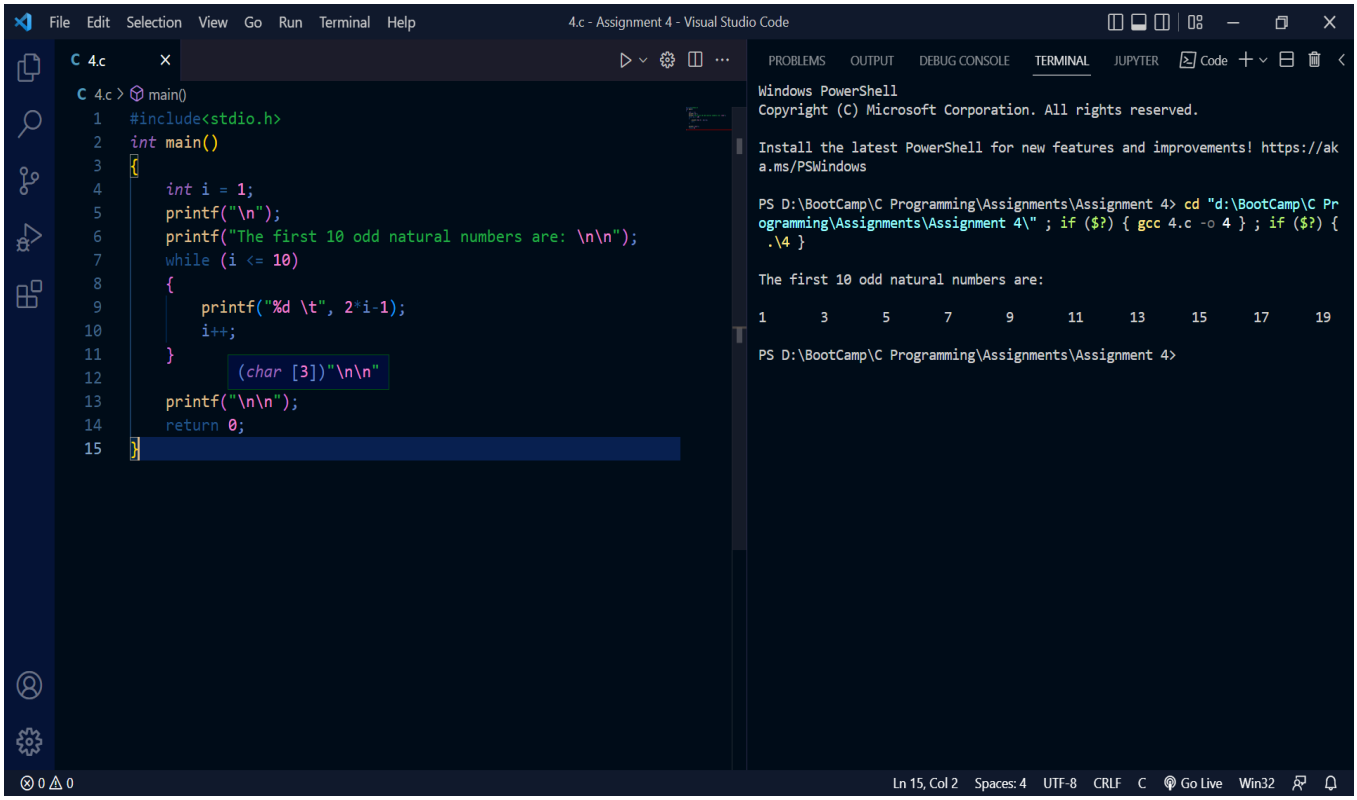
PS D:\BootCamp\C Programming\Assignments\Assignment 4> cd "d:\BootCamp\C Programming\Assignments\Assignment 4\" ; if ($?) { gcc 3.c -o 3 } ; if ($?) { .\3 }
The first 10 natural numbers in reverse order are:
10 9 8 7 6 5 4 3 2 1
PS D:\BootCamp\C Programming\Assignments\Assignment 4>
Ln 15, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

Q4.


File Edit Selection View Go Run Terminal Help
4.c - Assignment 4 - Visual Studio Code
4.c
4.c > main()
#include<stdio.h>
int main()
{
int i = 1;
printf("\n");
printf("The first 10 odd natural numbers are: \n\n");
while (i <= 10)
{
printf("%d \t", 2*i-1);
i++;
}
(char [3])"\n\n"
printf("\n\n");
return 0;
}
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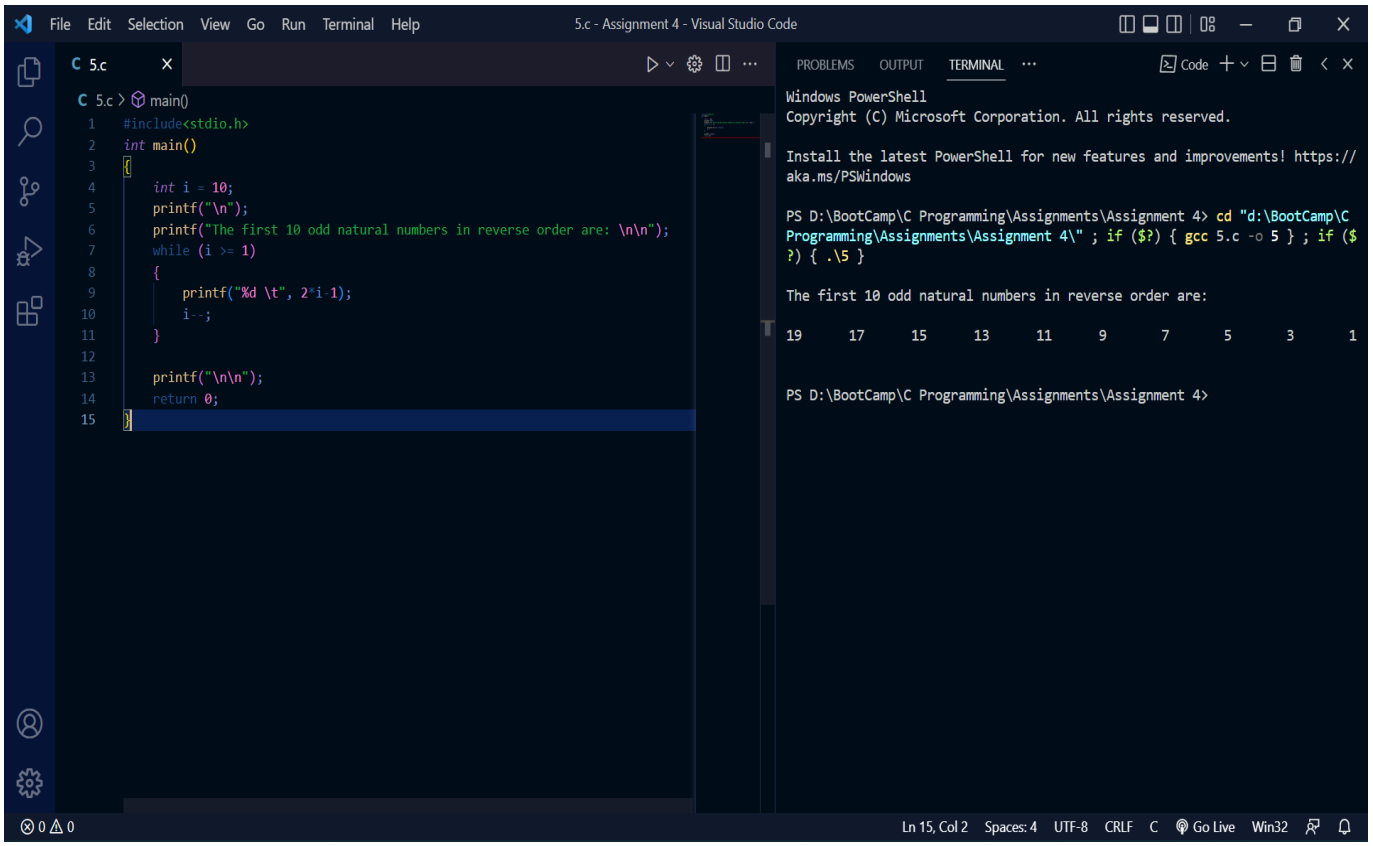
PS D:\BootCamp\C Programming\Assignments\Assignment 4> cd "d:\BootCamp\C Programming\Assignments\Assignment 4\" ; if ($?) { gcc 4.c -o 4 } ; if ($?) { .\4 }
The first 10 odd natural numbers are:
1 3 5 7 9 11 13 15 17 19
PS D:\BootCamp\C Programming\Assignments\Assignment 4>
Ln 15, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

Q5.


File Edit Selection View Go Run Terminal Help
5.c - Assignment 4 - Visual Studio Code
5.c
5.c > main()
#include<stdio.h>
int main()
{
int i = 10;
printf("\n");
printf("The first 10 odd natural numbers in reverse order are: \n\n");
while (i >= 1)
{
printf("%d \t", 2*i-1);
i--;
}
printf("\n\n");
return 0;
}
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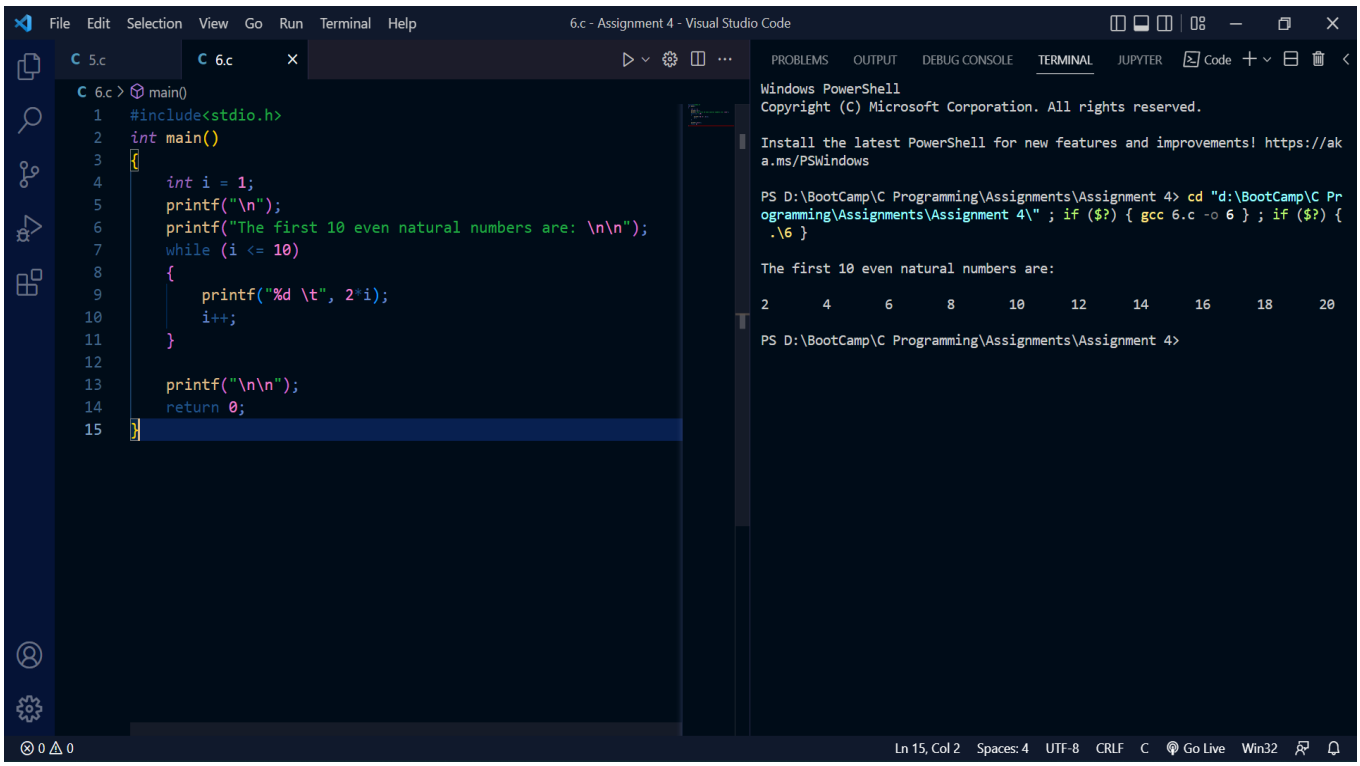
PS D:\BootCamp\C Programming\Assignments\Assignment 4> cd "d:\BootCamp\C Programming\Assignments\Assignment 4\" ; if ($?) { gcc 5.c -o 5 } ; if ($?) { .\5 }
The first 10 odd natural numbers in reverse order are:
19 17 15 13 11 9 7 5 3 1
PS D:\BootCamp\C Programming\Assignments\Assignment 4>
0 0
Ln 15, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

Q6.


File Edit Selection View Go Run Terminal Help
6.c - Assignment 4 - Visual Studio Code
5.c
6.c
6.c > main()
#include<stdio.h>
int main()
{
int i = 1;
printf("\n");
printf("The first 10 even natural numbers are: \n\n");
while (i <= 10)
{
printf("%d \t", 2*i);
i++;
}
printf("\n\n");
return 0;
}
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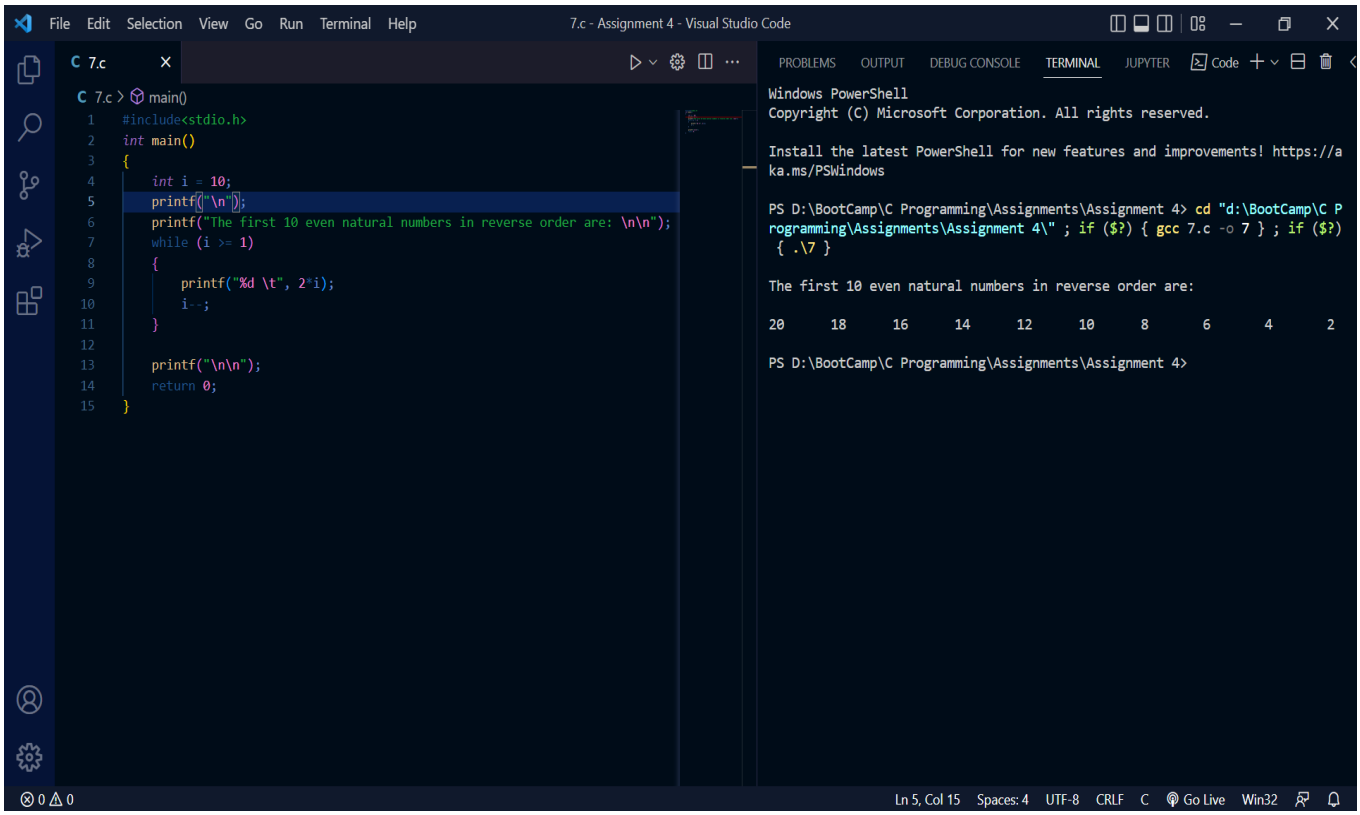
PS D:\BootCamp\C Programming\Assignments\Assignment 4> cd "d:\BootCamp\C Programming\Assignments\Assignment 4\" ; if ($?) { gcc 6.c -o 6 } ; if ($?) { .\6 }
The first 10 even natural numbers are:
2 4 6 8 10 12 14 16 18 20
PS D:\BootCamp\C Programming\Assignments\Assignment 4>
0 0
Ln 15, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

Q7.


File Edit Selection View Go Run Terminal Help
7.c - Assignment 4 - Visual Studio Code
7.c
7.c > main()
#include<stdio.h>
int main()
{
int i = 10;
printf("\n");
printf("The first 10 even natural numbers in reverse order are: \n\n");
while (i >= 1)
{
printf("%d \t", 2*i);
i--;
}
printf("\n\n");
return 0;
}
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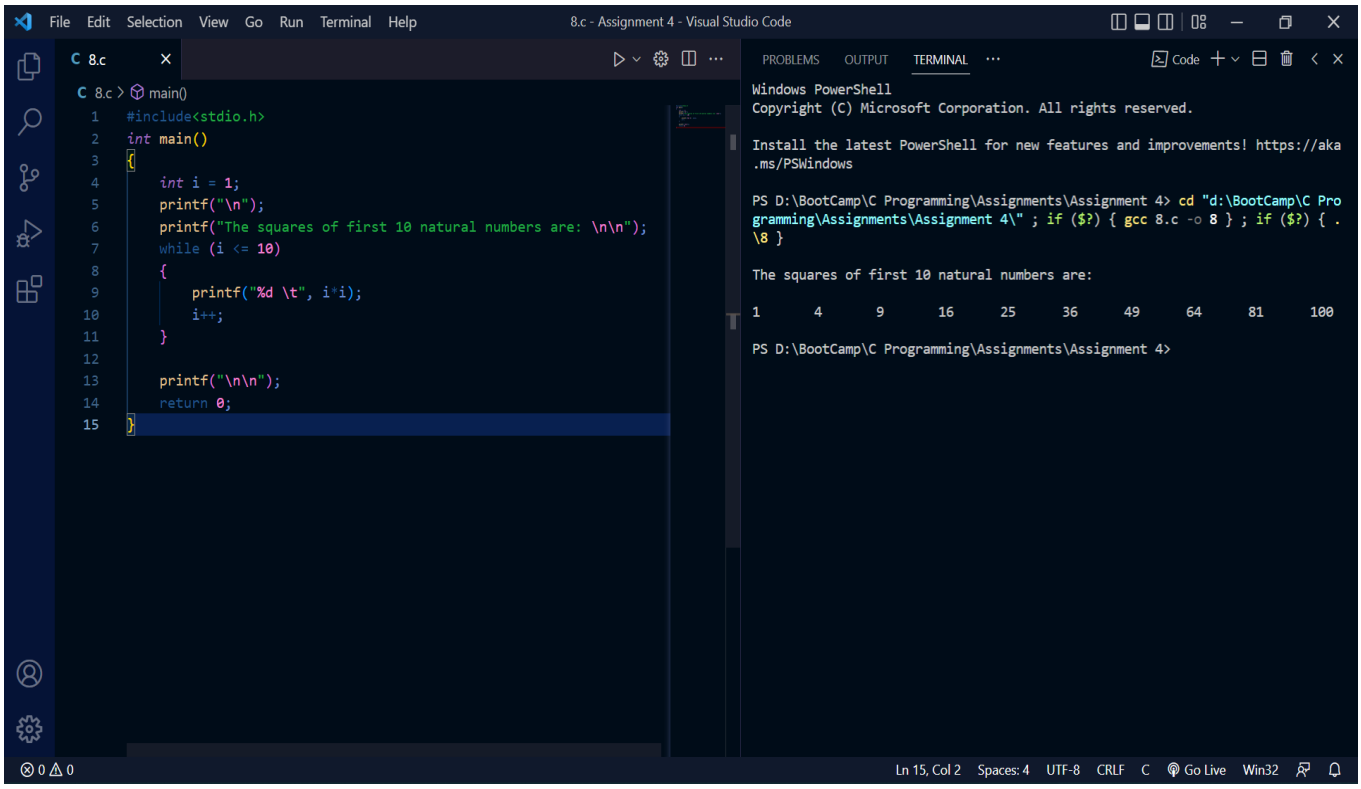
PS D:\BootCamp\C Programming\Assignments\Assignment 4> cd "d:\BootCamp\C Programming\Assignments\Assignment 4\" ; if ($?) { gcc 7.c -o 7 } ; if ($?) { .\7 }
The first 10 even natural numbers in reverse order are:
20 18 16 14 12 10 8 6 4 2
PS D:\BootCamp\C Programming\Assignments\Assignment 4>
0 0
Ln 5, Col 15 Spaces: 4 UTF-8 CRLF C Go Live Win32

Q8.


File Edit Selection View Go Run Terminal Help
8.c - Assignment 4 - Visual Studio Code
8.c
8.c > main()
#include<stdio.h>
int main()
{
int i = 1;
printf("\n");
printf("The squares of first 10 natural numbers are: \n\n");
while (i <= 10)
{
printf("%d \t", i*i);
i++;
}
printf("\n\n");
return 0;
}
PROBLEMS OUTPUT TERMINAL
Code
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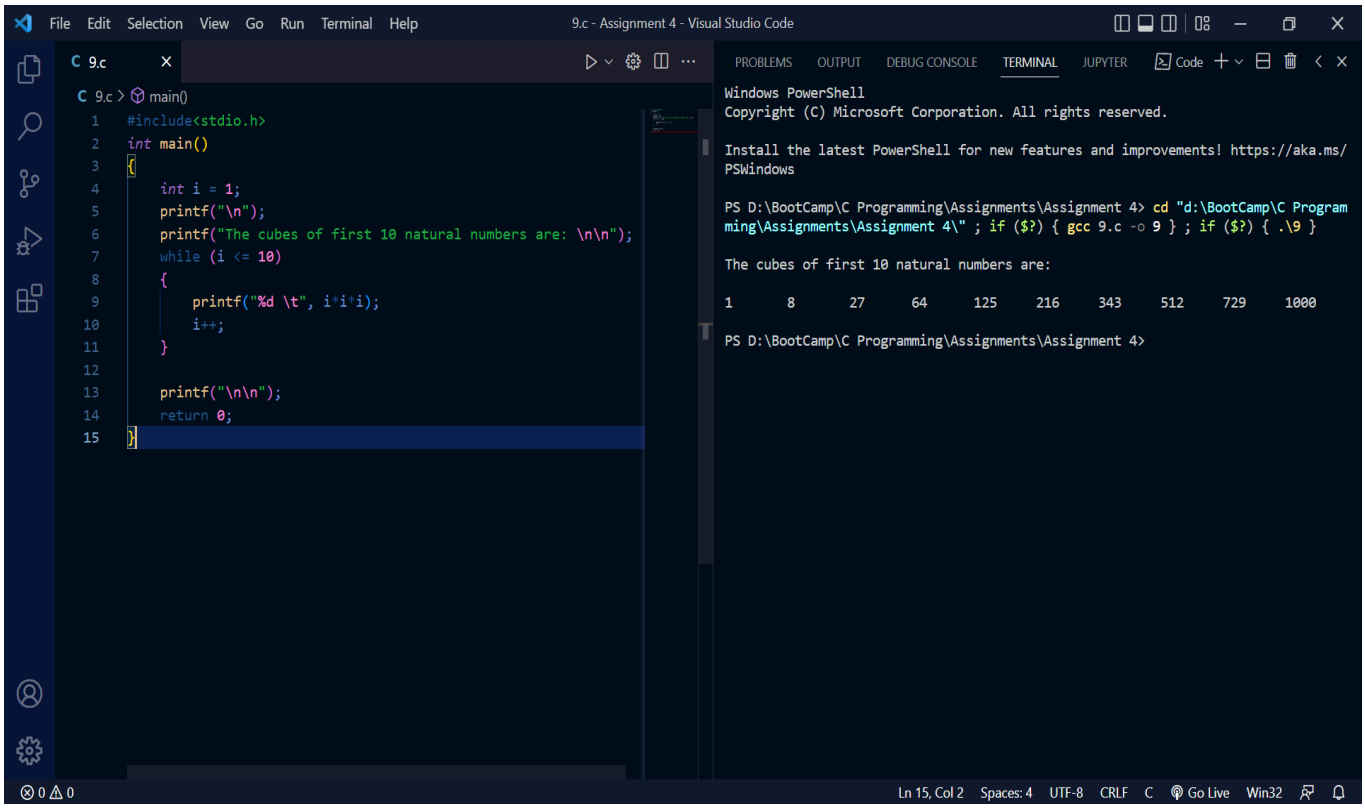
PS D:\BootCamp\C Programming\Assignments\Assignment 4> cd "d:\BootCamp\C Programming\Assignments\Assignment 4\" ; if ($?) { gcc 8.c -o 8 } ; if ($?) { .\8 }
The squares of first 10 natural numbers are:
1 4 9 16 25 36 49 64 81 100
PS D:\BootCamp\C Programming\Assignments\Assignment 4>
0 0
Ln 15, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

Q9.


File Edit Selection View Go Run Terminal Help
9.c - Assignment 4 - Visual Studio Code
9.c
9.c > main()
#include<stdio.h>
int main()
{
int i = 1;
printf("\n");
printf("The cubes of first 10 natural numbers are: \n\n");
while (i <= 10)
{
printf("%d \t", i*i*i);
i++;
}
printf("\n\n");
return 0;
}
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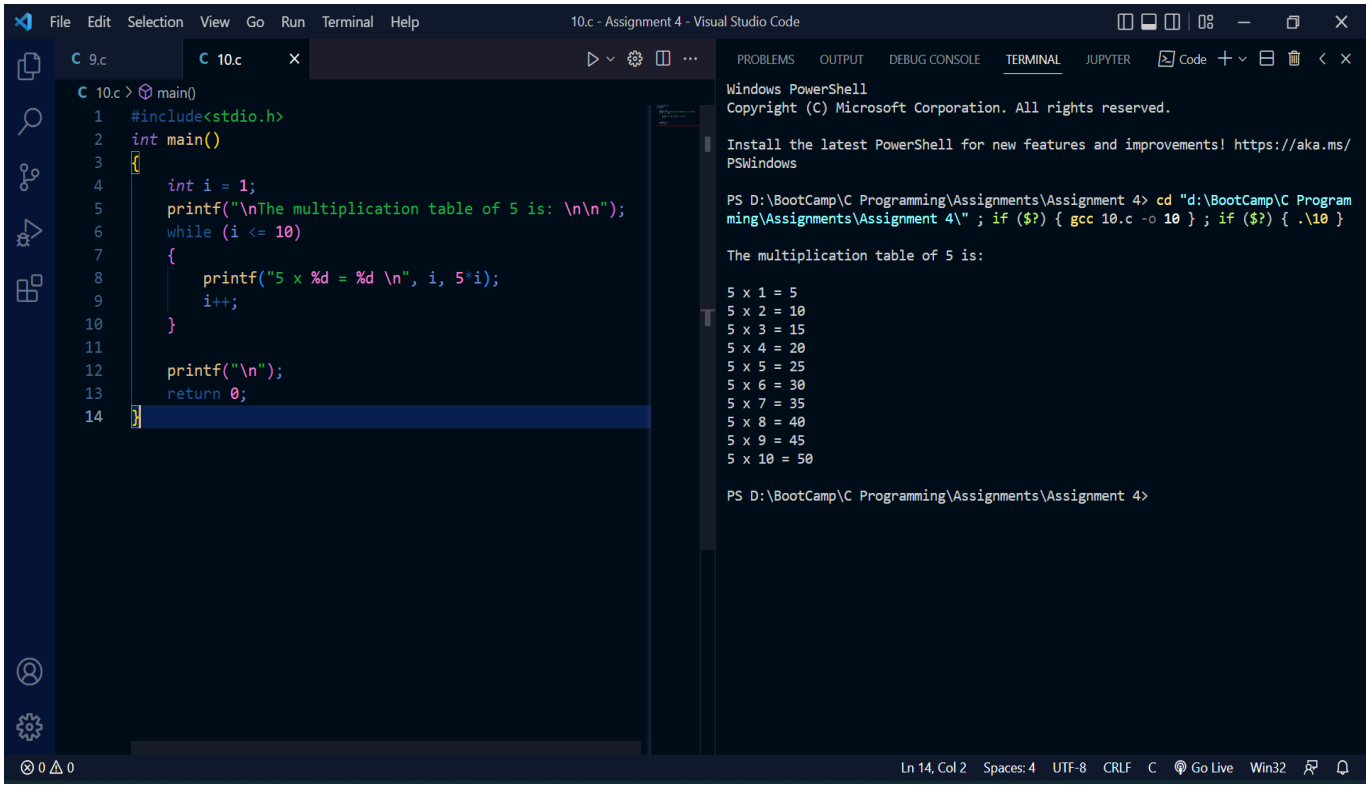
PS D:\BootCamp\C Programming\Assignments\Assignment 4> cd "d:\BootCamp\C Programming\Assignments\Assignment 4\" ; if ($?) { gcc 9.c -o 9 } ; if ($?) { .\9 }
The cubes of first 10 natural numbers are:
1 8 27 64 125 216 343 512 729 1000
PS D:\BootCamp\C Programming\Assignments\Assignment 4>
0 0
Ln 15, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

Q10.


File Edit Selection View Go Run Terminal Help
10.c - Assignment 4 - Visual Studio Code
9.c
10.c
10.c > main()
#include<stdio.h>
int main()
{
int i = 1;
printf("\nThe multiplication table of 5 is: \n\n");
while (i <= 10)
{
printf("5 x %d = %d \n", i, 5*i);
i++;
}
printf("\n");
return 0;
}
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PS D:\BootCamp\C Programming\Assignments\Assignment 4> cd "d:\BootCamp\C Programming\Assignments\Assignment 4\" ; if ($?) { gcc 10.c -o 10 } ; if ($?) { .\10 }
The multiplication table of 5 is:
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
PS D:\BootCamp\C Programming\Assignments\Assignment 4>
0 0
Ln 14, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32