

Computer programing assignment

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1 Area of a circle

```
#include <stdio.h>

int main()
float radius, area;
float pi = 3.1416;

printf("Enter radius of the circle: ");

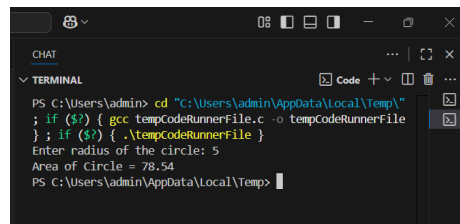
scanf("%f", &radius);

area = pi * radius * radius;

printf("Area of Circle = %.2f\n", area);

return 0;
```

2 Output

A screenshot of a Windows terminal window with a dark background. The window title bar shows standard Windows icons and the path 'C:\Users\admin\AppData\Local\Temp'. The terminal content shows a PowerShell prompt 'PS C:\Users\admin>' followed by a series of commands: 'cd "C:\Users\admin\AppData\Local\Temp"', 'gcc tempCodeRunnerFile.c -o tempCodeRunnerFile', and '.\tempCodeRunnerFile'. The output of the program is displayed: 'Enter radius of the circle: 5', 'Area of Circle = 78.54', and the prompt 'PS C:\Users\admin\AppData\Local\Temp>'.

```
PS C:\Users\admin> cd "C:\Users\admin\AppData\Local\Temp"
; if ($?) { gcc tempCodeRunnerFile.c -o tempCodeRunnerFile
} ; if ($?) { .\tempCodeRunnerFile }
Enter radius of the circle: 5
Area of Circle = 78.54
PS C:\Users\admin\AppData\Local\Temp>
```

Figure 1: