

Computer programing assignment

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1 Area of a triangle

```
#include <stdio.h>

int main()
float base, height, area;

printf("Enter base of the triangle: ");

scanf("%f", &base);

printf("Enter height of the triangle: ");

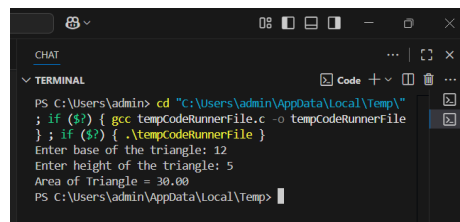
scanf("%f", &height);

area = 0.5 * base * height;

printf("Area of Triangle = %.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. The terminal content shows a PowerShell prompt at '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 program then prompts for 'Enter base of the triangle: 12' and 'Enter height of the triangle: 5'. The output shows 'Area of Triangle = 30.00'. The prompt returns to '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 base of the triangle: 12
Enter height of the triangle: 5
Area of Triangle = 30.00
PS C:\Users\admin\AppData\Local\Temp>
```

Figure 1: