



Week 02 - Lab Manual Solution

#### Task 01(WP): Write and Execute a Program to Print a Line of Asterisks.

### Task 02(CL): Write and Execute a Program to Print Geometric Shapes

- Square
- Triangle
- Circle
- Parallelogram
- Hexagon

```
#include <iostream>
                                                       #include<iostream>
                                                       using namespace std;
using namespace std;
                                                       int main(){
int main(){
                                                       cout<<"
                                                                                             "<<endl:
          cout<<"
                                                       cout<<"
                                                                                             "<<endl;
                                                       cout<<"
                                                                                             "<<endl;
cout<<"
                                                       cout<<"
                                                                                             "<<endl;
cout<<"
                                                       cout<<"
                                                                                             "<<endl;
cout<<" ::
                                                       cout<<"
                                                                                             "<<endl;
cout<<" ::
cout<<" :
cout<<" :
cout<<" :
                                :: "<<endl;
                                                       cout<<"
                                                                                             "<<endl;
                                                       cout<<"
                                 : "<<endl;
: "<<endl;
: "<<endl;
                                                       cout<<"
                                                                                             "<<endl;
                                                       cout<<"
                                                       cout<<"
cout<<" ::
                                                       cout<<"
                                :: "<<endl;
cout<<" ::
                                                       cout<<"
                               :: "<<endl;
                            ::
                                                       cout<<"
                                                                                             "<<endl;
cout<<"
                                      "<<endl;
                                                       cout<<"
                                                                                             "<<endl;
cout<<"
                                      "<<endl;
                                                       cout<<"
cout<<"
                                      "<<endl;
              return 0;
return 0;
}
```

### Task 03(CL): Write and Execute a Program to Print a Big Alphabet.

- A
- X
- **Z**
- K





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- S
- U

```
#include <iostream>
using namespace std;
int main(){
cout << "### ##
                                                  ### ## "<<endl;
cout << " ## ##
                                                    ## ## "<<endl;
cout << " ## ##
cout << " ## ##
                ## ## ##
                                           ## ##
cout << " ## ##
                 ## ###
                         ##
                                      ##
                                                   ## ## "<<endl;
                                           ## ###
cout << " ##
                                          ## ##
                                                  ## ## "<<endl;
                 ## ##
                         ##
                                      ##
                                                  ### ## "<<endl;
cout << "####
                 ### ##
                                          ### ##
return 0;
}
```

#### Task 04(CL): Write and Execute a Program to Print a Game Character. (Pacman)

```
care rounds view ricip
#include <iostream>
using namespace std;
int main(){
cout<<"
                     "<<endl;
        .::---::..
cout<<"
       .---- "<<endl;
cout<<" .-----"<<endl;
cout<<" ----:: "<<end1;
                     "<<endl;
cout<<":----::.
cout<<"----:.
                     "<<endl;
cout<<":----:..
cout<<" :----:."<<endl;
cout<<" .----: "<<endl;
cout<<"
        .:----:.
return 0;
}
```

Task 05(CL): Write and Execute a Program to Print a Game Maze.





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```
#include <iostream>
using namespace std;
int main(){
"<<endl;
                      "<<endl;
                                              <u>|</u>%| || ||
cout<<"||.. |%| |%|
                                                      "<<endl;
cout<<"||..
             |%|
                 |%|
                                                |%|
                                                      "<<endl;
cout<<"||..
             %%%%%%%% . . |%|...
                                               %%%%.
                                                      "<<endl;
cout<<"||..
                                                      "<<endl;
cout<<"||...
                                                      "<<endl;
cout<<"||..
                  |%|.
                                                |%|.
           ..... |%|.
cout<<"||...
                                                      "<<endl;
           |%|%%%|%|.|%|.|%|
                                            ..|%| |%|.
                                                      "<<endl;
cout<<"||..|%|
cout<<"||..|%|
           |%| ...
                     %%%%%%%%%%%%%%%%%
                                . . . . . . | % |
                                                      "<<end1;
cout<<"||..|%|
                                                      "<<endl;
           |%|
                                           . |%|.
cout<<"||..|%|
                                                      "<<endl;
                                                      "<<endl;
                                                      "<<endl;
                                                      "<<endl;
          "<<endl;
cout<<"||..|%|
                                                      "<<endl;
cout<<"||..|%|
                                                      "<<endl;
                                                      "<<endl;
                                                      "<<endl;
return 0;
}
```

**Task 01(OP):** Write a program to print the Header on a Business Application with colorized Background.





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```
TITLE.txt - Notepad
File Edit Format View Help
#include <iostream>
#inlcude <windows.h>
using namespace std;
int main(){
system("Color 87");
cout<<"# # ### ### # # ### ##
                                            ## ## ### # ### "<<endl;
                    ## ### ### # #
cout<<"###################
                                 # # # # # # # # # # # # "<<endl;
cout<<"# # # # # # ##
####### # # #### "<<endl;
                                 # # ## # # ### ## ## ## # # "<<endl:
cout<<"### # ### # ### # ### #
                                 # # # # # # ### "<<endl;
cout<<"### # # # # # # # # # # # # # #
                                 # # # #####"<<endl:
# # # # # "<<endl;
## # ## # ### # "<<endl;
return 0;
```

#### Task 02(CP): Write a program to Print the colorized game maze.

```
#include <iostream>
#include <windows.h>
using namespace std;
int main(){
system("Color 20");
cout<<"||.....|| "<<end1;
                                       %%%%
                                             "<<endl;
                                  |%|.. |%|
|%|.. |%|
                                           || "<<endl;
                                           || "<<endl;
                                    .. %%%%. || "<<endl;
                                            "<<endl;
                                  |%| .. %%%%. ||
                                             "<<endl;
                                           || "<<end1;
                                        |%|.
                                             "<<endl;
                                             "<<endl;
"<<endl;
                                  . |%|.
|%| ..|%|.
                                             "<<endl;
cout<<"||..|%|
                                             "<<endl;
                      ... |%|
"<<endl;
                                  |%| ..|%|%%%%%
cout<<"||....
                                             "<<endl;
cout<<"||
                                             "<<endl;
       .....
cout<<"||..|%| |%| |%|.. %%%%%%%%%%% .....|%|
cout<<"||..|%| |%| |%|.. ...|%| %%%%%%
cout<<"||..|%| ... G ...|%|
                                  |%| ..|%|.
                                             "<<endl;
                                             "<<endl;
                                  |%| ..|%|.
                                  |%| ..|%|.
                                             "<<endl;
                                             "<<endl;
|%| ..|%|%%%%%
                                             "<<endl;
return 0;
}
```





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Task 03(CP): Write a Program to print the colorized game character.

```
#include <iostream>
#include <windows.h>
using namespace std;
int main(){
system("Color 3F");
                         "<<end1:
                         "<<endl;
                         "<<endl;
        cout<<"
                         "<<endl;
       cout<<"
                         "<<endl;
       cout<<"
                         "<<endl;
       cout<<"
                         "<<endl;
       cout<<"
                         "<<endl;
      cout<<"
                         "<<endl;
       cout<<"
                         "<<endl;
       .........
cout<<"
                        "<<endl;
        cout<<"
                         "<<endl;
         cout<<"
                         "<<endl;
          ..:::::::::::
return 0;
```

Good Luck and Best Wishes!!

Happy Coding ahead:)