

1- write a program to print this shape

اكتب برنامج لطباعة هذا الشكل

Output

```
* * *  
* * *
```

Solution

```
// www.gammal.tech  
  
#include <iostream>  
  
using namespace std;  
  
int main() {  
    cout << " * * *\n";  
    cout << " * * *\n";  
    return 0;  
}
```

2- write a program to print this shape

أكتب برنامج لطباعة هذا الشكل

Output

```
*   *  
 *  *  
  * 
```

Solution

```

// www.gammal.tech

#include <iostream>

using namespace std;

int main() {
    cout << "*   *\n";
    cout << " * *\n";
    cout << "  *\n";
    return 0;
}
```

3- write a program to print this shape

أكتب برنامج لطباعة هذا الشكل

Output

```

  *
 * *
* * *
```

Solution

```

// www.gammal.tech

#include <iostream>

using namespace std;

int main() {
    cout << "   *\n";
    cout << "  * *\n";
    cout << "* * *\n";
    return 0;
}
```

4- write a program to print this shape

أكتب برنامج لطباعة هذا الشكل

Output

```
*****
 *
* *
*****
```

Solution

```
// www.gammal.tech
#include <iostream>
using namespace std;

int main() {
    cout << "*****\n";
    cout << " * \n";
    cout << " * * \n";
    cout << "*****\n";
    return 0;
}
```

5- write a program to print this shape

أكتب برنامج لطباعة هذا الشكل

Output

```
 *
***
*****
```

Solution

```

// www.gammal.tech

#include <iostream>

using namespace std;

int main() {
    cout << "  *  \n";
    cout << " *** \n";
    cout << "*****\n";
    return 0;
}
```

6- write a program to print this shape

أكتب برنامج لطباعة هذا الشكل

Output

```

  *
 *
*
*
```

Solution

```

// www.gammal.tech

#include <iostream>

using namespace std;

int main() {
    cout << "  *\n";
    cout << " * \n";
    cout << " *  \n";
    cout << " *  \n";
    return 0;
}
```

7- write a program to print this shape

أكتب برنامج لطباعة هذا الشكل

Output

```
*****  
*   *  
*****
```

Solution

```
// www.gammal.tech  
  
#include <iostream>  
  
using namespace std;  
  
int main() {  
    cout << "*****\n";  
    cout << " *   *\n";  
    cout << "*****\n";  
    return 0;  
}
```

8- write a program to print this shape

أكتب برنامج لطباعة هذا الشكل

Output

```
  *  
 ***  
*****  
*****  
*****  
 ***  
  *  
  *
```

Solution

```

// www.gammal.tech

#include <iostream>

using namespace std;

int main() {
    cout << "  *\n";
    cout << "  **\n";
    cout << "  ***\n";
    cout << "  ****\n";
    cout << "  *****\n";
    cout << "  ****\n";
    cout << "  **\n";
    cout << "  *\n";
    return 0;
}
```

9- write a program to print this shape

أكتب برنامج لطباعة هذا الشكل

Output

```

  *
 * *
*   *
*     *
 *   *
 * *
  *
  *
```

Solution

```

// www.gammal.tech

#include <iostream>

using namespace std;

int main() {
    cout << "  *\n";
    cout << "  * *\n";
    cout << " *   *\n";
    cout << "*     *\n";
    cout << " *   *\n";
    cout << " * *\n";
    cout << "  *\n";
    return 0;
}
```

10- write a program to print this shape

أكتب برنامج لطباعة هذا الشكل

Output

```
  *
 * *
*   *
*   *
 *   *
  * *
   *
 ***
*****
*****
```

Solution

```
// www.gammal.tech

#include <iostream>

using namespace std;

int main() {
    cout << "  *\n";
    cout << " * *\n";
    cout << "*   *\n";
    cout << "*   *\n";
    cout << " *   *\n";
    cout << "  * *\n";
    cout << "   *\n";
    cout << "  ***\n";
    cout << " *****\n";
    cout << " *****\n";
    return 0;
}
```