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Ans 1) The output is:

endlendl

endline

Ans 2) It prints out a slanting line of “#”s.

Ans 3) Original code:

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

for (int i = 0; i < len; i++)

{

for (int j = i+1; j < len; j++)

{

cout << " ";

}

cout << "#" << endl;

}

}

Using while:

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

for(int i=0; i<len;i++)

{

int j=i+1;

while(j<len)

{

cout<<" ";

j++;

}

cout<<"#"<<endl;

}

}

Ans 4)

Using do-while:

#include <iostream>

using namespace std;

int main( )

{

int len;

cout<<"Enter a number: ";

cin>>len;

int i=0;

do

{

if(len<=0)

break;

for(int j= i+1; j<len; j++)

{

cout<<" ";

}

cout<<"#"<<endl;

i++;

}while(i<len);

}

Ans 5)

#include <iostream>

using namespace std;

int main()

{

int weekday;

weekday = 2;

switch (weekday)

{

case 1:

cout << "rainy days and mondays get me down";

break;

case 2:

cout << "ruby tuesday";

break;

case 6:

case 7:

cout << "wonderful weekend";

break;

default:

cout <<"regular day";

}

}