Ques1 Find the missing statements to run the program correctly.

#include<iostream>

using namespace std;

int func(int n){

if(n == 1)

return 0;

if(n == 2)

return 1;

return func(n - 1) + func(n - 2) + func(n - 3);

}

int main(){

int n;

cout << "Enter the value of n";

cin >> n;

cout << func(n) << endl;

return 0;

}

Ques 2 Predict the output.

#include<iostream>

using namespace std;

int main(){

for(int i = 0; i < 10; i++)

cout << i++ << " ";

cout << endl;

for(int i = 0; i < 10; i++)

cout << i + 1 << " ";

cout << endl;

for(int i = 0; i < 10; i++)

cout << ++i << " ";

cout << endl;

for(int i = 0; i < 10; ++i)

cout << i + 1 << " ";

cout << endl;

return 0;

}

Ques 3 Find the missing code that needed to run the program correctly.

#include<iostream>

using namespace std;

struct node{

int data;

node\* next;

};

node\* create\_linked\_list(void){

int n, data;

cout << "Number of nodes ";

cin >> n;

int s = n;

node\* head = NULL, \*tail = NULL;

cout << "Enter 1 node data ";

cin >> data;

node\* nodenew = new node();

nodenew -> data = data;

head = nodenew;

tail = head;

n--;

while(n--){

node\* newnode = new node();

cout << "Enter "<< s - n << " node data ";

cin >> data;

tail -> next = newnode;

newnode -> data = data;

tail = newnode;

delete newnode;

}

return head;

}

int main(){

node\* head = create\_linked\_list();

node\* temp = head;

while(temp != NULL){

cout << temp -> data << " ";

}

cout << endl;

return 0;

}

Ques 4 Find the errors in the given C++ code.

#include<iostream>

using namespace std;

int main(){

int n;

cout << "Enter the value of n ";

cin >> n;

cout << "Displaying the Square pattern of \* " << endl;

for(int i = 0; i < n; i++){

for(int j = 0; j < n; i++){

cout << "\*";

}

cout << endl;

}

}

Ques 5 Find the error in the given C++ code. This program is to increase the content of variable with the help of the pointer.

#include<iostream>

using namespace std;

int main(){

int a = 10;

int\* p = &a;

cout << ++a << endl;

cout << ++\*p << endl;

return 0;

}

Ques 6 Which line should give error in the following C++ code and why??

#include<iostream>

using namespace std;

int arr[10];

int main(){

int arr[5] ={10, 11, 12 , 13, 14};

cout << \*(arr + 1) << endl;

cout << \*(arr + 0) << endl;

cout << 1[arr] << endl;

cout << arr++ << endl;

cout << arr << endl;

cout << (arr + 1) << endl;

return 0;

}

Ques7 Find the line which causing error in the given C++ code and do the needful actions to rectify it.

#include<iostream>

using namespace std;

struct node{

int data;

node\* next;

};

node\* create\_linked\_list(void){

int n, data;

cout << "Number of nodes ";

cin >> n;

int s = n;

node\* head = NULL, \*tail = NULL;

cout << "Enter 1 node data ";

cin >> data;

node\* nodenew = new node();

nodenew -> data = data;

head = nodenew;

tail = head;

n--;

while(n--){

node\* newnode = new node();

cout << "Enter "<< s - n << " node data ";

cin >> data;

tail -> next = newnode;

newnode -> data = data;

tail = newnode;

delete newnode;

}

tail -> next = NULL;

return head;

}

int main(){

node\* head = create\_linked\_list();

node\* temp = head;

while(temp != NULL){

if(temp -> next-> data % 2 == 0)

cout << temp -> data << " ";

temp = temp -> next ;

}

cout << endl;

return 0;

}

Ques8 Find the purpose of the code i.e. what task is code performing?

#include<iostream>

using namespace std;

int main(){

int arr[6] = {1, 4, 3, 6, 2, 3};

for(int i = 1; i < 6; i++){

int var = arr[i];

int j = i-1;

while(j >= 0 && var < arr[j]){

arr[j+1] = arr[j];

j--;

}

arr[j+1] = var;

}

return 0;

}

Ques9 Find the missing statements to run the program correctly.