# **Problem #1 to #5 Solutions**

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# **Problem 1**

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Description Write a program to print your

< the code below>

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#include <iostream>

using namespace std;

void PrintName(string name){

cout<<"\n Your Name Is "<< name<<endl;

}

int main(){

PrintName("Ahmed");

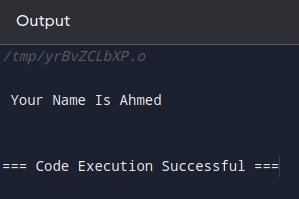
return 0;

}

—----------------------------------------------------------------------------------------------------------------------------

The output:

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# **Problem 2**

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Description: Write A program To read the name and print it<The Code below>

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#include <iostream>

using namespace std;

string ReadName(){

string name;

cout<<"Enter Your Name: ";

getline(cin,name);

return name;

}

void PrintName(string name){

cout<<"\n Your Name Is: "<<name;

}

int main(){

PrintName(ReadName()); // function print name takes the function readname;

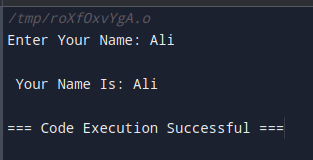
return 0;

}

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The output:

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# **Problem 3**

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Description: Write A program to check read the number and check if it odd or even <The code>

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#include <iostream>

using namespace std;

enum enNumberType {Even = 0, Odd = 1};

int ReadNumber(){

int N = 0;

cout<<"Enter The Number: ";

cin>> N;

return N;

}

enNumberType CheckNumberType(int Number){

int Result = Number % 2; // Number = Number % 2

if(Result == 0)

return enNumberType::Even;

else

return enNumberType::Odd;

}

void PrintNumberType(enNumberType Number){

if(Number == enNumberType::Even)

cout<<"\n The Number Is Even";

else

cout<<"\n The Number Is Odd";

}

int main(){

PrintNumberType(CheckNumberType(ReadNumber()));

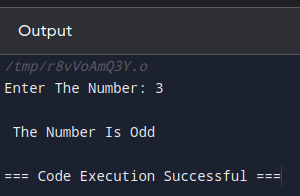
return 0;

}

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The output:

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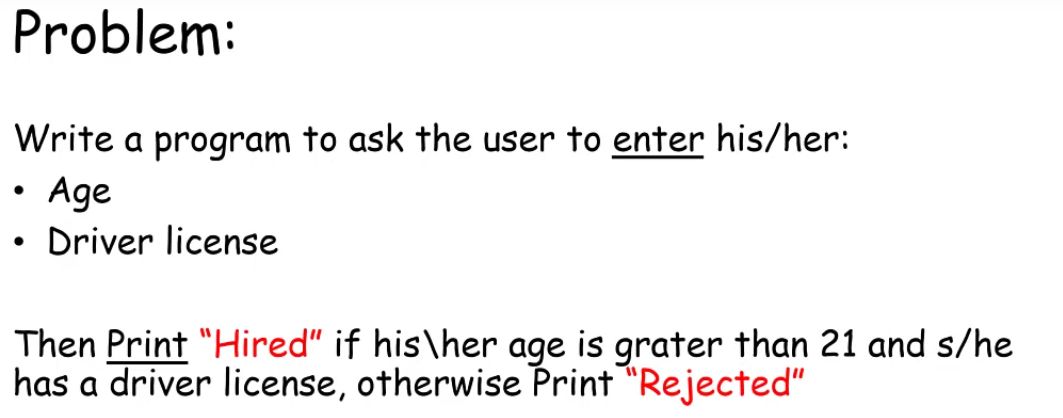


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# **Problem 4**

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Description: Write A program to Hire A driver case 1;



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The code:

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#include <iostream>

using namespace std;

struct stInfo{

Short Age;

bool HasAdriverLicense;

};

stInfo ReadInfo(){

stInfo Info;

cout<<"Please Enter Your Age: ";

cin>> Info.Age;

cout<<"\nDo you Have A driver License?: ";

cin>> Info.HasAdriverLicense;

return Info;

}

bool IsAccepted(stInfo Info){

return (Info.Age > 21 && Info.HasAdriverLicense);

}

void PrintResult(stInfo Info){

if(IsAccepted(Info))

cout<<"\n Hired";

else

cout<<"\n Rejected";

}

int main(){

PrintResult(ReadInfo());

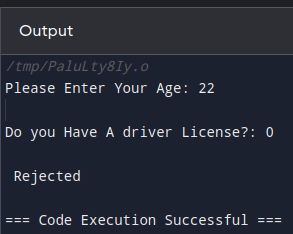
return 0;

}

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The output:

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# **Problem 5**

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Description: Write A program to Hire A driver case 2;

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If you’ve a recommendation you will hired

The code below;

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#include <iostream>

using namespace std;

struct stInfo{

int Age;

bool HasAdriverLicense;

bool HasRecommendation;

};

stInfo ReadInfo(){

stInfo Info;

cout<<"Please Enter Your Age: ";

cin>> Info.Age;

cout<<"\nDo you Have A driver License?: ";

cin>> Info.HasAdriverLicense;

cout<<"\nDo you Have A Recommendation?: ";

cin>> Info.HasRecommendation;

return Info;

}

bool IsAccepted(stInfo Info){

if(Info.HasRecommendation)

return true;

else

return (Info.Age > 21 && Info.HasAdriverLicense);

}

void PrintResult(stInfo Info){

if(IsAccepted(Info))

cout<<"\n Hired";

else

cout<<"\n Rejected";

}

int main(){

PrintResult(ReadInfo());

return 0;

}

========================================================================

The output:

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