**Practical no.-**13

**Program no.-** 02

**Title:** Program to implement Hybrid inheritance

**Roll No.:** 76 **Batch-** C

**Code:**

#include<iostream>

using namespace std;

class Cricketer

{

private:

char name[25];

char country[25];

public:

void get\_name(void)

{

cout<<"Enter Name:"; gets(name);

fflush(stdin);

cout<<"Enter Country Name:"; gets(country);

}

void put\_name(void)

{

cout<<"Name:"<<name;

cout<<"\nCountry:"<<country;

}

};

class Bowler:virtual public Cricketer

{

private:

int wickets;

public:

void get\_wickets(void)

{

cout<<"Enter no. of wickets taken:"; cin>>wickets;

}

void put\_wickets(void)

{

cout<<"\nNo. of wickets taken:"<<wickets;

}

};

class Batsman:virtual public Cricketer

{

private:

int runs;

public:

void get\_runs(void)

{

cout<<"Enter no. of Runs:"; cin>>runs;

}

void put\_runs(void)

{

cout<<"\nNo. of Runs:"<<runs;

}

};

class Alrounder:public Bowler,public Batsman

{

public:

void display(void)

{

put\_name();

put\_runs();

put\_wickets();

}

};

//main program

int main()

{

Alrounder player;

cout<<"Enter information of Cricketer:\n";

player.get\_name();

player.get\_runs();

player.get\_wickets();

cout<<"\nInformation of Cricketer:\n";

player.display();

return 0;

}

**Output 1-**

Enter information of Cricketer:

Enter Name:Axar Patel

Enter Country Name:India

Enter no. of Runs:273

Enter no. of wickets taken:53

Information of Cricketer:

Name:Axar Patel

Country:India

No. of Runs:273

No. of wickets taken:53

--------------------------------

**Output 2-**

Enter information of Cricketer:

Enter Name:Virat Kohli

Enter Country Name:India

Enter no. of Runs:12344

Enter no. of wickets taken:4

Information of Cricketer:

Name:Virat Kohli

Country:India

No. of Runs:12344

No. of wickets taken:4

--------------------------------