

→ Friend function ( ) : —

Friend function is a general function which not a member function of a class but it is declared within a class as friend. for this work "friend" keyword is used to declare a function in class as a friend.

friend function can access private data members & member function of a class by using an object of that class.

Syntax: —

friend declaration of function ( ) ;

Program: —

```
#include <iostream.h>
```

```
class distance
```

```
{
```

```
private:
```

```
int km, m;
```

```
public:
```

```
void getdata ( )
```

```
{
```

```
cout << " |n Enter distance in km & m: "
```

```
cin >> km >> m;
```

```
}
```

```
void putdata ( )
```

```
{
```

```
cout << " |n " << km << " km " << m << " meter ";
```

```
friend distance adddistance (distance, distance);
```

```
} };
```

distance adddistance (distance dobj1, distance dobj2)

```

}
distance dobj3;
dobj3.km = dobj1.km + dobj2.km;
dobj3.m = dobj1.m + dobj2.m;
while (dobj3.m >= 1000)

```

```

{
dobj3.km++;
dobj3.m -= 1000;
}

```

```

}
return (dobj3);
}

```

```

void main()
{

```

```

distance d1, d2, d3;
d1.getdata();
d2.getdata();
d3.adddistance();
d1.putdist();
d2.putdist();
d3.putdist();
}

```