**Array** –

Arrays are used in a C to store multiple values in a single variable, instead of declaring separate variables for each value. In array we can use int, char, double data type or user-defined data types. In array there are two types 1st is two dimensional array and 2nd is multi dimensional array.

**Array Example** –

float laptopprice [5]={12230.50,657878.34,25600.34,44678.10,68900.45}

[\\In](file:///\\In) this array we have defined 5 different price of laptops.

int main ()

{

for (int laptop\_id=0; laptop\_id<5; laptop\_id++);

\\ This loop shows the 5 prices of laptops. 1st its zero then it will shows the value of 1st laptop means 12230.50 if it is correct then it will go to second condition then its check zero is less than 5 then again it goes to 3rd condition here increase the 0 value it become 1 then it will shows the 2nd laptop price.

{

print f(“Price of id-%d laptop: %.2f\n”, laptop\_id, laptopprice[laptop\_id]);

[\\This](file:///\\This) print f function shows the defined laptop price.

}

scan f(“%f %f , &laptopPrice[0], &laptopPrice[1]);

[\\Here](file:///\\Here) we can take any laptop price from user

print f(\n The new Price of laptop :%2f \t %.2f\n\n”, laptopPrice[0], laptopPrice[1]);

\\This print f function shows the changes of laptop price before and after.

}