QUIZ#1
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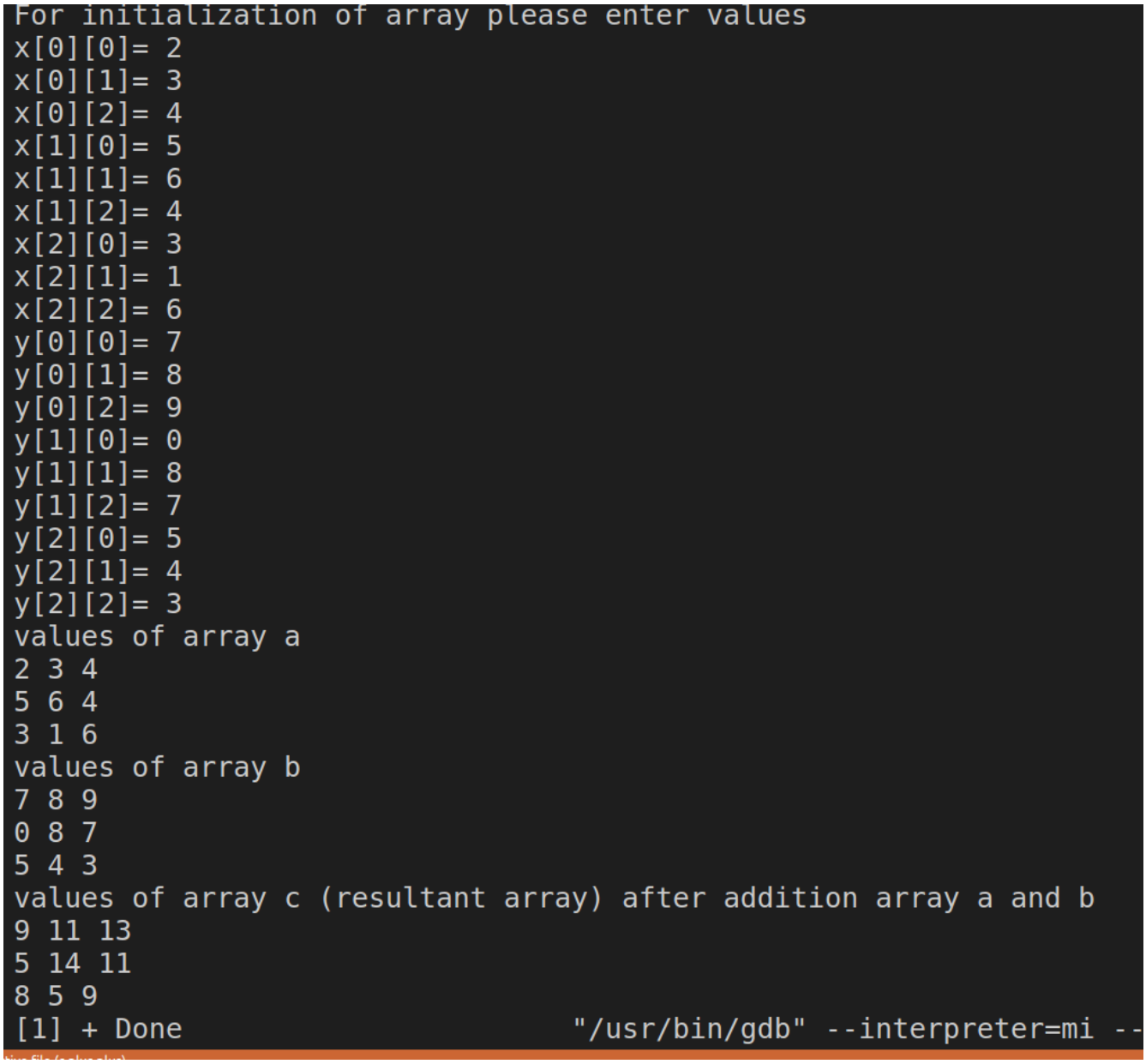
Q No. 1: Write a C++ program that will multiply two 2D arrays elements. Take values from user
at runtime. Note display values of 1st, 2nd and their resultant array.
Hints: A will be the 1st array, B will be the 2nd array and C will be resultant array.

```cpp
#include<iostream>
using namespace std;
int main()
{
int x[3][3];
int y[3][3];
int add[3][3];
cout<<"For initialization of array please enter values"<<endl;
for(int r=0; r<3; r++){
for(int c=0; c<3; c++){
cout << "x[" << r << "][" << c << "]= ";
cin>>x[r][c];}
}
for(int r=0; r<3; r++){
for(int c=0; c<3; c++){
cout << "y[" << r << "][" << c << "]= ";
cin>>y[r][c];}
}
for(int r=0; r<3; r++)
{
for(int c=0; c<3; c++)
{
add[r][c]=x[r][c]+y[r][c];
}
}
cout<<"values of array a"<<endl;
for (int row=0; row<3; row++){
for(int col=0; col<3; col++){
cout<<x[row][col]<<+" ";
}
cout<<endl;
}
cout<<"values of array b"<<endl;
for (int row=0; row<3; row++){
for(int col=0; col<3; col++){
cout<<y[row][col]<<+" ";
}
cout<<endl;
}
cout<<"values of array c (resultant array) after addition array a and b "<<endl;
for (int row=0; row<3; row++){
for(int col=0; col<3; col++){
cout<<add[row][col]<<+" ";
}
cout<<endl;
}
return 0;
}
```

Outputquestion1:



Q No.02: Write a program that check the type of the value and determine the data type of the value. In this program, you will develop a Type checking program (Type Checker).

```cpp
#include <iostream>
using namespace std;

int Print_Type(int n){
cout<<endl;
cout<<n<<" has data type integer";
return 0;
}
double Print_Type(double l){
cout<<endl;
cout<<l<<" has data type double";
return 0;}
bool Print_Type(bool x){
cout<<endl;
cout<<x<<" has data type boolean";
return 0;
}
char Print_Type(char s){
cout<<endl;
cout<<s<<" has a data type charcter";
return 0;
}
int main(){
Print_Type('N');
Print_Type(false);
Print_Type(3.234553);
Print_Type(785345);
cout<<endl;
return 0;
}
```

OUTPUT2:-

```
N has a data type charcter
0 has data type boolean
3.23455 has data type double
785345 has data type integer
[1] + Done                              "/usr/bi
ne-In-5em16ji6.vea" 1>"/tmp/Microsoft-MIE
janny@stoic-programmer:~/Documents/javas
```