FAST NATIONAL UNIVERSTIY OF COMPUTER AND EMERGING SCIENCES, PESHAWAR
DEPARTMENT OF COMPUTER SCIENCE
OBJECT ORIENTED PROGRAMMING LANGUGE

Lab Task # 05

Q No.01: 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).

```
int main() {
    printType('A');
    return 0;
}
```

If the argument of printType(true) is true or false, it will invoke a function inside and print a message "true is a boolean". If it is int 463287462 then it should display "4632874 is Integer". The sample output format is as follows:

1.24353 is double data type

334345345 is an integer data type

1 is boolean data type

A is a character data type

Q No.02: Write user defined function **arrayFunction()** in C++ which will initialize array by taking values from user at run time and then call this function in main function which will return this array from the calling function to the called function (to the main function) and then show all items of this array in main function using loop.