Experiment 1: Matrix Mul

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Code:
#include <stdio.h>
int main() {
  int a[3][3] = {
    {1, 2, 3},
    {4, 5, 6},
    {7, 8, 9}
  };
  int b[3][3] = {
    {9, 8, 7},
    {6, 5, 4},
    {3, 2, 1}
  };
  int mul[3][3];
  int i, j, k;
  for (i = 0; i < 3; i++) {
     for (j = 0; j < 3; j++) {
       mul[i][j] = 0;
       for (k = 0; k < 3; k++) {
          mul[i][j] += a[i][k] * b[k][j];
       }
    }
  }
  printf("The result of the matrix multiplication is:\n");
  for (i = 0; i < 3; i++) {
     for (j = 0; j < 3; j++) {
```

printf("%d\t", mul[i][j]);

}

}

printf("\n");

```
return 0;
}

Output:

The result of the matrix multiplication is:
30 24 18
84 69 54
138 114 90

=== Code Execution Successful ===
```