return 0;

DATA 0

2

20

0

What is the output of the C program shown below when run with the command ./a.out ABC dog hike COP 13597

```
#include <stdio.h>
#include <string.h>
int function(char *str) {
    int len = strlen(str) - 1;
    for (int a=0; a<len; a++)
        if (str[a] > str[a+1])
            return 1;
    return 0;
int main(int argc, char *argv[]) {
    for (int a=1; a<argc; a++)</pre>
            printf("%d\n", function(argv[a]) );
        return 0;
```

What is the output of the C program below when run with the command ./a.out DATA

```
#include <stdio.h>
                                           11
int main(int argc, char *argv[]) {
                                           22
     int num, data[3][3];
     for (int a=0; a<3; a++)
          for (int b=0; b<3; b++)
               data[a][b] = 0;
                                           11
     FILE *fp = fopen(argv[1], "r");
                                           22
     fscanf(fp, "%d", &num);
     while ( ! feof(fp) ) {
          int x = num / 10;
          int y = num % 10;
          data[x][y] = data[x][y] + 1;
          fscanf(fp, "%d", &num);
     fclose(fp);
     for (int a=0; a<3; a++) {
          for (int b=0; b<3; b++)
               printf("%d ", data[a][b]);
          printf("\n");
```

What is the output of the C program shown below when run with the command ./a.out CAT xyz coat UA 2468

Name :

```
#include <stdio.h>
#include <string.h>
int function(char *str) {
    int len = strlen(str) - 1;
    for (int a=0; a<len; a++)
        if (str[a] > str[a+1])
            return 1;
    return 0;
int main(int argc, char *argv[]) {
    for (int a=1; a<argc; a++)</pre>
        printf("%d\n", function(argv[a]) );
        return 0;
```

What is the output of the C program below when run with the command ./a.out DATA

```
DATA
                                            11
#include <stdio.h>
                                            1
int main(int argc, char *argv[]) {
                                            10
     int num, data[3][3];
                                            12
     for (int a=0; a<3; a++)
                                            11
          for (int b=0; b<3; b++)
                                            11
               data[a][b] = 0;
                                            10
     FILE *fp = fopen(argv[1], "r");
                                            12
     fscanf(fp, "%d", &num);
                                            21
     while ( ! feof(fp) ) {
          int x = num / 10;
          int y = num % 10;
          data[x][y] = data[x][y] + 1;
          fscanf(fp, "%d", &num);
     fclose(fp);
     for (int a=0; a<3; a++) {
          for (int b=0; b<3; b++)
               printf("%d ", data[a][b]);
          printf("\n");
     return 0;
```