Hawa Sylla

Lab10

Part 1:

Question 1:

```
char* strcpy(char* des,const char* source) {
char* r=des;
assert((des != NULL) && (source != NULL));
while((*r++ = *source++)!='\0');
return des;
}
```

Question 2:

because we are pointing to a value, since the inputs are both pointers. If we just use regular char, the value returned will not be correct.

Part 2:

Question 1:

```
~
~
#include<stdio.h>
#include<string.h>
#include<stdlib.h>

int main()
{

char input[21],smallest_word[21],largest_word[21];

printf("Word please: ");
scanf("%s",input);
strcpy(smallest_word,input);
strcpy(largest_word,input);
```

```c
while(strlen(input)!=4)
{

    if(strcmp(input,smallest_word)<0)
    {
        strcpy(smallest_word,input);
    }
    else if(strcmp(input,largest_word)>0)
    {
        strcpy(largest_word,input);
    }

    printf("Word please: ");
    scanf("%s",input);
}

printf("Smallest Word: %s\n",smallest_word);
printf("Biggest/Largest Word: %s\n",largest_word);

return 0;
```

Question 2:

```
[hsylla2@gsuad.gsu.edu@snowball ~]$ ./findStr
Word please: cat
Word please: zebra
Word please: fish
Smallest Word: cat
Biggest/Largest Word: zebra
[hsylla2@gsuad.gsu.edu@snowball ~]$ ▌
```