



ASSIGNMENT

1. Write a program to demonstrate use of string library functions.

- | | |
|--------------|--------------|
| a. strlen() | b. strcpy() |
| c. strcat() | d. strcmp() |
| e. strcmp() | f. strrev() |
| g. strchr() | h. strstr() |
| i. strncpy() | j. strncat() |
| k. strncmp() | l. strtok() |

2. Write a program to simulate the following library functions.

- a. `size_t strlen(const char *str);`
- b. `char* strrev(char* str);`
- c. `char* strcpy(char *dest, const char *src);`



TWISTERS

1. #include<stdio.h>

int main(void)

{

```
    char *courses[]={ "PG-DAC","PG-DESD","PG-DMC",  
    "PreCAT","PG-DBDA"},*temp=NULL;
```

```
    int i;
```

```
    temp = courses[3];
```

```
    courses[3] = courses[4];
```

```
    courses[4] = temp;
```

```
    for(i=0; i<=4; i++)
```

```
        printf("%s,", courses[i]);
```

```
    return 0;
```

}

A. PG-DAC,PG-DESD,PG-DMC,PreCAT,PG-DBDA,

B. PG-DAC,PG-DESD,PG-DBDA,PreCAT,PG-DMC,

C. PG-DAC,PG-DESD,PG-DMC,PG-DBDA,PreCAT,

D. Compile time error.

Answer: C



2. #include<stdio.h>

int main(void)

{

void *vp=NULL; char ch='S', *cp="sunbeam"; int j=1;

vp = &ch; printf("%c", *(char *)vp);

vp = &j; printf("%d",*(int *)vp);

vp = cp; printf("%s", (char *)vp + 3);

return 0;

}

A. G20beam

B. S1beam

C. sunbeam

D. Sun

Answer: B

3. #include<stdio.h>

int main(void)

{

char s[]={'a','b','c','\n','c','\0'};

char *p=NULL, *str=NULL, *str1=NULL;

p=&s[3];

str=p;

str1=s;

printf("%d", ++*p + ++*str1-32);

return 0;

}

A. 77

B. 88

C. 76

D. 75

Answer: A



4. #include<stdio.h>

int main(void)

{

 char a[100];

 a[0]='a';a[1]='b';a[2]='c';a[4]='d';

 abc(a);

 return 0;

}

abc(char a[])

{

 a++; printf("%c",*a);

 a++; printf("%c",*a);

}

A. ac

B. bc

C. cc

D. cd

Answer: B