SET 5

1)

#include<stdio.h>

int main( int argc, char \*\*argv) {

int i,int j;

printf("no of args %d",Argc);

printf("program name = \"%s\"\n", argv[0])

For (i=1; argv[i] != NULL ++i)

printf("argv[%d] = \"%s\"\n", i, argv[i]);

return 0;

}

Ans:

**(i)** int i;int j;

(ii) printf("no of args %d",Argc); small a in Argc

(iii) ; after printf()

(iv) for instead of For

(v) ; before ++i

2)

int main()

{

int i;

double number, sum = 0.0;

for(i=1; i <= 10; ++I;)

{

printf("Enter a n%d: ",i);

scanf("%lf",&number);

If(num < 0.0)

{

break;

}

sum =+ number;

}

printf("Sum = %.2lf",sum)

return 0;

}

Ans:

(i) no #include<stdio.h>

(ii) for(……++i;) no semicolon

(iii) if instead of If

(iv) sum += number;

(v) no ; after printf()

3)

#include <stdio.h>

#include <conio.h>

void strconc(char \*,char \*);

char \*s3;

void main()

{

char \*str1,\*str2;

printf("\nENTER THE FIRST STRING: ");

gets(str1);

printf("\nENTER THE SECOND STRING: ");

gets(str2);

strconcat(str1,str2);

printf("\nTHE NEW STRING IS: %s",s3);

getch();

}

void strconc(char s1,char s2)

{

int ls1,ls2,i;

ls1=len(s1);

ls2=len(s2);

s3=s1;

for(i=0;i<ls2;i++)

{

s3[ls1++]=s2[i];

}

s3[ls1++]=NULL;

}

Ans:

(i) strcon (str1,str2);

(ii) (iii) void strconc(char \*s1,char \*s2)

(iv)(v) ls1=strlen(s1);

ls2=strlen(s2);

**4)**

#include <stdio.h>

#include <conio.h>

void main()

{

char s[100];

int len,i;

printf("\nENTER A SENTENCE: ");

get(s);

len=strlen(s);

printf("\n");

for(i=0;i<len;i++)

{

if((i==0 && s[i]>=97 && s[i]<=122) | (s[i-1]==32 && s[i]>=97 && s[i]<=122))

printf("%c",s[i]-32)

else

{

if(i!=0 & s[i-1]!=32 && s[i]>=65 && s[i]<=90)

printf("%c",s[i]+32);

else

printf("%c",s[i]);

}

}

gtech();

}

Ans:

(i) gets(s)

(ii) if((i==0 && s[i]>=97 && s[i]<=122) **||** (s[i-1]==32 && s[i]>=97 && s[i]<=122)) missing ||

(iii) missing ; after printf()

(iv) missing && in if(……&&….)

(v) getch()

5)

#include<stdio.h>

#include<conio.h>

int a[20][20],q[20],visited[20],n,i,j,f=0

,r=-1;

void bfs(int v) {

for (i=1;i<=n;i++)

if(a[v][i] && !visited[i])

q[++r]=i;

if(f<=r) {

visited[]=1;

bfs(q[f++]);

}

}

void main() {

printf("\n Enter the number of vertices:");

scanf("%d",&n);

for (i=1;i<=n;i++) {

q[i]=0;

visited[i]=0;

}

printf("\n Enter graph data in matrix form:\n");

for (i=1;i<=n;i++)

for (j=1;j<=n;j++)

scanf("%d",&a[i][j]);

printf("\n Enter the starting vertex:");

scanf("%d",&v);

bfs();

printf("\n The node which are reachable are:\n");

for (i=1;i<=n;i++)

if(visited[i])

printf("%d\t",i); else

printf("\n Bfs is not possible");

getch();

}

Ans:

(i) visited[q[f]] instead of visited[]

(ii) v is undeclared

(iii) bfs(); call has no args. It should have args

6)

#include <stdio.h>

#include <time.h>

#include <conio.h>

void main()

{

time\_t now;

now = time((time\_t \*)NULL);

printf("%s", ctime(&now));

time(&now);

printf("%s", ctime(&now));

struct tm \*l\_time;

l\_time = localtime(&now);

printf("%s", asctime(l\_time));

time(&now);

printf("%s", asctime(localtime( &now )));

char string[20];

time(&now);

l\_time = localtime(&Now);

strftime(len(string), "%d-%b-%y\n", l\_time);

printf("%s", string);

getch();

}

Ans:

(i) ) l\_time = localtime(&now); small n in Now

(ii) strftime(len(string), "%d-%b-%y\n", l\_time);

Missing first argument l\_time

(iii)not len(string). It’s sizeof(string)