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Subject: add more robust mid and some file funcs?

Posted by [luoganda](#) on Tue, 25 Jul 2017 17:56:59 GMT

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```
void SIC_Mid(EscEscape& e){
    String arg0=(String)e[0];
    int arg1=e[1].GetInt(); if(arg1<0)arg1=arg0.GetCount()-abs(arg1);
    if(arg1>=arg0.GetCount())e.ThrowError("'mid': arg1 out of bounds");
    int arg2=e[2].GetInt(); if(arg2===-pow(2,31))arg2=arg0.GetCount()-arg1;
    if(arg2<0)arg2=arg0.GetCount()-abs(arg2);
    if(arg1+arg2>arg0.GetCount())arg2=arg0.GetCount()-arg1; //if(arg1<0){errline("esc: mid:
    arg1<0");e.ret_val=String::GetVoid();return;}
    e.ret_val=arg0.Mid(arg1,arg2);
}
void SIC_Find(EscEscape& e){
    e.CheckArray(0);
    e.CheckArray(1);
    e.CheckNumber(2);
    e.ret_val=((String)e[0]).Find((String)e[1],e[2].GetInt());
}
void SIC_FileExists(EscEscape& e){
    e.CheckArray(0);
    e.ret_val=FileExists((String)e[0])?1:0;
}
void SIC_FileCopy(EscEscape& e){
    e.CheckArray(0);e.CheckArray(1);
    String arg0=(String)e[0];
    String arg1=(String)e[1];
    if(!arg0.GetCount()||!arg1.GetCount())e.ThrowError("empty string in 'filecopy'");
    if(arg1[arg1.GetCount()-1]=="\\||arg1[arg1.GetCount()-1]=='/'arg1<<GetFileName(arg0);
    e.ret_val=FileCopy(arg0,arg1)?1:0;
}
void SIC_FileDelete(EscEscape& e){
    e.CheckArray(0);
    e.ret_val=FileDelete((String)e[0])?1:0;
}
```

//from:<0MeansFromEnd,num:-pow(2,31) means till end, eg mid(txt,-4) - note,from/num may be both negative

```
Escape(escglobal,"mid(text,from,num=-pow(2,31))",SIC_Mid);
```

```
Escape(escglobal,"find(text,find,from=0)",SIC_Find);
```

```
Escape(escglobal,"fileexists(fname)",SIC_FileExists);
```

```
//dest may end with ".../dir/" so this can be used: filecopy("c:/files/main.txt","c:/backup/");
```

```
Escape(escglobal,"filecopy(src,dest)",SIC_FileCopy);
```

```
Escape(escglobal,"filedelete(fname)",SIC_FileDelete);
```

If adding these, check prev post in this thread too

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